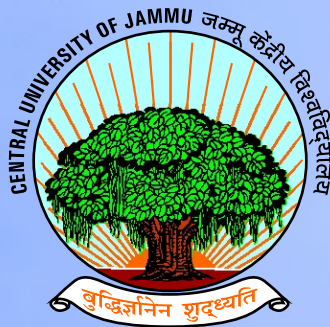


2019-20

ANNUAL Report

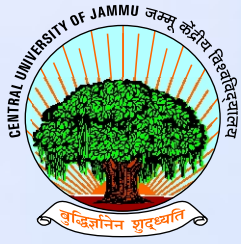


CENTRAL UNIVERSITY OF JAMMU

(Established by the Central Universities Act, 2009)

Raya-Suchani (Bagla), District Samba - 181143, Jammu (Jammu & Kashmir)

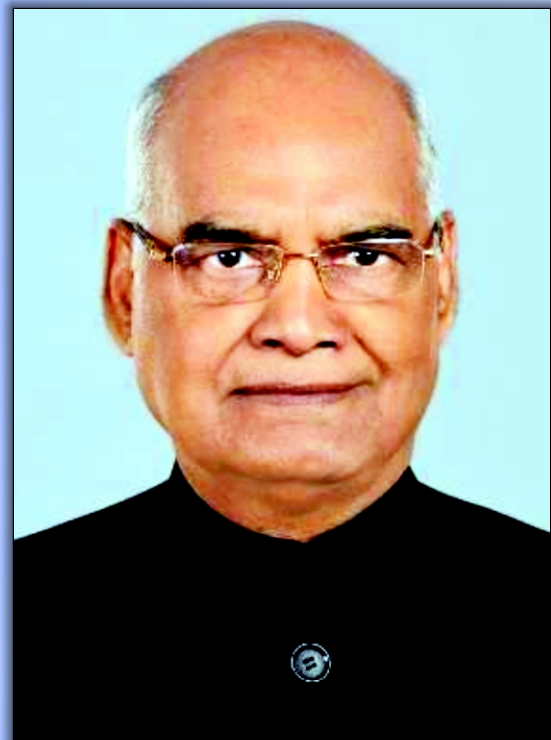
Tel. : 01923-249660 Website : www.cujammu.ac.in



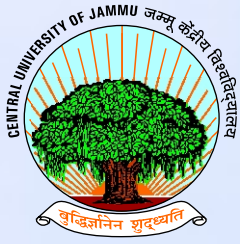
2019-20

ANNUAL Report

Visitor



Shri Ram Nath Kovind
The President of India



2019-20

ANNUAL Report

Chancellor



**Shri Gopaldaswami
Parthasarthy**

Message from the Vice Chancellor

Standing at the threshold of sweeping changes in educational development in the country proffered by NEP 2020, presenting the 9th Annual Report of Central University of Jammu for the session 2019-2020 instills in me a special sense of fulfilment coupled with self- reflection. A gush of fulfillment, because the University in a short span of existence has carved a niche both in academics and research at the regional and at the national level; and self reflection, because the report serves as an instrument of introspection to draft a blueprint for future action.

The report is an objective reflection of our initiatives and accomplishments for the session 2019-2020 and through a glimpse of a gamut of academic activities, research output and innovative teaching pedagogy presents the CUJ campus life buzzing with holistic learning and academic rigor. The Central University of Jammu started functioning from 08th August 2011 with just three Post Graduate courses and one research programme. Currently, the University is offering more than 45 programmes, 02 Research Chairs under the aegis of 19 Departments, 05 Centres and 01 College.

These programmes started by the University shall enable the students to seek admission into emerging field of specializations offering challenging job opportunities and career prospects. The programmes include 04 Five year degree programmes, 01 Four Year Integrated,



16 Post Graduate, 22 Research oriented and 03 Vocational types at Under-graduate level.

Apart from the above academic programs launched by the University some of prestigious national level projects are being undertaken by the University viz. Kalam Centre for Science and Technology, Satish

Dhawan Centre for Space Technology, Pandit Madan Mohan Malviya National Mission on Teacher Training (PMMMNMTT), Centre for Yoga and Naturopathy including Integrated Ayush 50 Bedded Hospital, DBT, GOI sponsored M.Sc (Bio-Technology) program besides University has operationalized the Kendriya Vidyalaya approved by MHRD, GOI with an intake of 300 students. UGC has sanctioned 03 New Departments during 2019-20 besides 03 M.Voc Programs along with non-teaching positions for establishment of SC/ST Cell.

University has been consistently mobilizing resources from various funding agencies for research and faculty has been awarded prestigious National/International Fellowships, project funding and recognition and has been constantly contributing to various governmental and non- governmental sectors through research, consultancy and outreach activities. At present, more than 72 major/minor research projects of academic and social relevance are undertaken by the faculty members. The University has so far awarded 39 PhDs, and 108 M.Phil degrees. At present 165 Integrated M.Phil-PhD/ Ph.D



scholars across 12 departments are pursuing their research programmes.

Understandably, the academic rigour needs to be supplemented with state-of-the art infrastructure and facilities. Hence, with Wifi facility on the campus and in hostels, an automated library, basic sports infrastructure, yoga classes, clubs and interactive sessions etc., the students of the University succeeded in obtaining prestigious placements, which serves as a big boost, enabling the students to get groomed in facing any type of competition.

The CUJ has made a significant progress in terms of national and international linkages by signing 23 National and 04 International Memorandum of Understanding (MoUs) some of which include MoUs with Melbourne University, Institute of Chinese Studies, ASHRAY Incubation, Ahmedabad, Central Universities of Himachal Pradesh and Kashmir for students and faculty mobility, Administrative Staff College of India, NASSCOM Foundation for Campus Employability Programme and Joint Certification programme in Beauty and Wellness in partnership with Industry Partners. University has also obtained the membership of apex industry/academic bodies like United Nation Academic Impact (UNAI), CII, NHRDN, AIMS, ISTE, ISTD, AOITA, AIMA, ISTD, Jammu Chamber of Commerce and Industries etc. Commensurate with the national agenda and local requirements for inculcating entrepreneurial skills among students and the local population, the University has established Innovation, Incubation and Entrepreneurship Council, under which the Innovation Cell and the Business Incubation Centre

are presently functioning.

The growth of the University clearly reflects a visible upward graph in the area of teaching and learning, quality research and publication. Further, the University is endeavoring to qualitatively enhance basic necessary facilities in the class rooms in the form of smart teaching rooms and extensive use of ICT for wider use in the context of multidimensional activities.

As a part of its social outreach University has adopted five villages near its vicinity and one School from each village is adopted for undertaking Capacity Building Programme for Teachers/ Administrators and Students-Oriented Support Programmes. One School from each village is adopted for undertaking Capacity Building Programme for Teachers/ Administrators and Students-Oriented Support Programmes under PMMMNMTT.

In consonance with one of our national priorities, University has taken a series of digital initiatives to become paperless and cashless. The challenges and opportunities are elixir of Higher Education Institutions and the real catalyst and investments are goodwill and cooperation of all stakeholders: teaching faculty, scholars, students, administrative staff. Optimism is half the race won. With sustained smart work, support, camaraderie and goodwill, the Central University of Jammu is all bound to attain new pinnacles of glory in the year ahead.

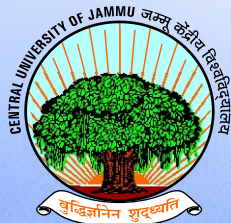
Jai Hind !

(Prof. Ashok Aima)



LOGO & ITS DESCRIPTION

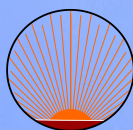
Logo



The Rising Sun, the Banyan Tree and the Infinite Sky are some of the most important constituents of nature, epitomizing its essence and motivating the mankind to embrace a productive way of life, to acquire knowledge and attain peace and happiness.

These elements have been arranged together into an emblem to represent the Central University of Jammu.

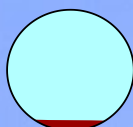
Description



RISING SUN : The Rising Sun in the backdrop of the Banyan Tree is emblematic of victory over darkness - the triumph of enlightenment over ignorance. The students shall abode in light, acquire knowledge and grow in wisdom.



BANYAN TREE : This part of the emblem proclaims that as the Banyan Tree filters impurities to provide pure air, proliferation through its prop roots, the University intends to resonate wisdom and knowledge, leading to organised thought, discriminative faculty and self-discipline through contribution and participation of its alumni.



INFINITE SKY : The vast canopy of the Infinite Sky filled with rays of Sun denotes the enoemous expanse available for acquisition, growth and spread of knowledge; the soaring spirit as also an exhaustive domain for nurturing and flow of ideas.

University is an abode of boundless learning, knowledge and wisdom that paves the way to purposeful self-introspection, leading to individual growth and development.

To sum up, the Rising sun alongwith the Banyan Tree and the Infinite Sky, truly reflects the values, aspirations, goals and ethos of the University as it seeks to usher in an enlightened society through vibrant, learned and empowered youth to adopt new ideas and emerging trends in the modern world; eager to face the resultant changes.



MOTTO, VISION AND MISSION

MOTTO

Motto of the University बुद्धिज्ञानेन शुद्धयति implies that knowledge refines, purifies and sharpens the mind.

VISION

To be a leading Centre of higher learning, integrating culture, knowledge, philosophy, science and value system of our heritage with modern and emerging concepts, skills, technology and management practices.

MISSION

- To impart education which in its breadth and scope represents the three main symbols in our logo; iridescent like the rising Sun, immortal as the Banyan Tree and infinite like the Sky.
- To inculcate self confidence; which when combined with disciplined study, leads to faith in one's strength and conviction.
- To develop talent for sustainable growth in academics, administration, business and research by laying emphasis on organised thought, self-discipline and discriminative faculty.
- To encourage inter-disciplinary consider these words collaborative research with leading Institutions aimed at the optimum development of human resource and integration of new ideas and innovations.
- To provide a modern, environmentally sustainable, healthy and vibrant Campus in consonance with the principles of Green technology.
- To play participatory role in the affairs of the people of the surrounding areas in particular and civil society in general.



1. Central University of Jammu

The Central University of Jammu came into existence on August 08, 2011, with the appointment of the first Vice-Chancellor. It was established by the Central Universities Act, 2009 (Act No. 25 of 2009 read with the Central Universities Act, 2009). The Central University of Jammu campus is under construction at Village Bagla, Raya Suchani in District Samba, which is at an approximate distance of 25 kms from Jammu.

2. Campus Site

The administrative office of the University is housed in a building at the campus site at Raya-Suchani (Bagla),

Distt. Samba (J&K). It has been made functional by providing facilities like computer networking, furniture, furnishings and other equipments.

All the teaching departments started functioning from the Main Campus of the University from the Academic Session 2017-18.

For the academic session 2019-20, admission shall be offered for all Academic & Vocational Courses viz., Computer Science and Information Technology, Economics, Educational Studies, English, Environmental Sciences, Business Administration, Mass Communication & New Media, Mathematics, National Security Studies, Public Policy & Public Administration,



Social work, Tourism Management, Hindi, Five-Year Integrated M.Sc. Course in Botany, Zoology, Physics, Chemistry, M.Sc. in Material Sciences & Technology and M.B.A. in Marketing Management and Two research centres and also vocational courses offered in B.Voc. Retail Management, B.Voc. Banking & Financial Services (by Department of Business Administration), Tourism Management (by Department of Tourism Management), Diploma in Beauty and Wellness, Diploma in Beauty and Wellness (Makeup), Diploma in apparel (Dress Designing and Tailoring), Diploma in Retail Management, Diploma in Tourism

Management under the aegis of Community College.

The University has the requisite accommodation for class rooms, teaching faculty, research scholars and computer labs. It has a spacious canteen, a play ground and a health center managed by doctors appointed by the University. The campus is networked having wired and wireless Internet facility. The University has NKN (National Knowledge Network) connectivity of bandwidth of 1 GBPS. The virtual classroom setup is also in place which is connected through NKN connectivity with other academic and research institutes.





3. Salient Features of the University

Guided by the reforms agenda in higher education and learning from the experiences of the best universities of the world, the University has introduced a number of innovations as detailed below :

1. Semester-Based Academic Calendar :

All academic programmes of the University, Integrated Master's Degree, Master's Degree and Ph.D. programmes are conducted as per the UGC guidelines and designed at par with global practices in terms of effective number of teaching days and teaching learning inputs. All admitted candidates in Ph.D. programmes undergo mandatory coursework of six months duration.

2. Programmes Based on Comprehensive Choice Based Credit System :

The University has adopted Choice Based system (CBCS) as per the UGC guidelines.

3. Innovative Approach in Designing Programmes of Studies :

The Programmes of Studies offered by the University have been designed with an objective of making students globally competitive in their respective fields. The focus is on the Learner-Centred Approach as opposed to the conventional Teacher Centred approach to accommodate learner's needs and expectations to have wider choices in content, mode and pace of learning.

4. Inter-disciplinary Programmes of Studies :

The academics Departments of the University are designed around basic disciplines to enable faculty members to focus on their specialized areas of research. Each programme of Study of the University is inter-disciplinary that empowers the students to accumulate required number of credits from a wide variety of courses offered by other departments of the University as well.

5. Evaluation Process for all Academic Programmes :

Students in all programmes of studies across disciplines and at all levels are assessed through Continuous Internal Assessment based on quizzes, assignments, independent works, group work, mid-semester and end-semester examinations. Each Department offers minimum four activities out of a list of activities to assess the performance of the students through wide variety of activities under continuous Internal Assessment. The evaluation process comprises the following :

Continuous Internal Assessment	25%
Mid-Semester Examination	25%
End-Semester Examination	50%

6. Ph.D. Programmes :

The University has full-time/part-time Ph.D. programmes that aim at sharpening the research skills, grooming teaching abilities, producing quality research publications and proactive participation in seminars/conferences.

Academic Infrastructure of the University :

7. Classrooms and Lecture Theatres :

The University has adequate number of classrooms and Lecture Theatres to cater to the present



needs of the various academic programmes. The classrooms are well furnished and equipped with requisite multimedia aids for teaching.

8. Library :

The University has fully automated library. The library is stacked with adequate number of books, journals and reference materials related to the various disciplines/programmes of study offered by the University.

9. Internet & ICT Labs :

The University is equipped with seamless Wi-Fi connectivity and students can access the Internet through their own laptops from anywhere in the Campus. The University also has three state-of-the-art ICT Labs equipped with high-end PCs loaded with necessary softwares accessible to the students.

10. University Business Incubation Centre (UBIC) :

The University Business Incubation Centre (UBIC) has been set up and has been functional since 2015 under the aegis of Innovation, Incubation and Entrepreneurship Council sponsored by M/O MSME, GOI to foster a culture of entrepreneurship amongst students as well as local population. The aim and focus of the Incubation Centre is to nurture innovative ideas for commercialization and to provide infrastructural support to incubatees.

UBIC nurtures the innovative ideas of existing and prospective entrepreneurs in emerging innovative ventures by providing necessary mentoring, promoting IP ecosystem and providing entrepreneurs a platform to commercialize their ideas besides helping to raise the seed capital from different financial institutions at subsidized rates and IP protection. Also, Campus Start Up track has been initiated for promoting innovation. In this line, Rs. 25000/- cash prize has been announced by UBIC for promoting best innovative ideas having commercial relevance. In order to create an awareness about best innovations having commercial relevance. In order to create an awareness about entrepreneurship and sensitizing students about various schemes of GOI, a Lecture Series has been initiated by the UBIC and UIC wherein experts from diverse fields along with successful entrepreneurs are invited to deliver lectures.

11. Industry-Academia Interface :

The University has signed MoUs with various industries, reputed institutes/universities within the country and abroad which include MoUs with Chamber of Commerce and Industries-Jammu, VLCC, NASSCOM Foundation-New Delhi, Ashray Incubator-Ahmedabad, ASCI-Hyderabad. The University has also obtained membership of apex industrial organizations viz. ISTD, IAOTA, CII, NHRDN, AIMA, United Nation Academic Impact (UNAI) etc. This linkage has led to creating a strong industry-academia interface for the benefit of the students and the faculty. The University has initiated Eminent Lecture Series wherein prominent personalities and experts are invited periodically for interaction with students and faculty.

The University organized a Three Day HRD Congress in 2017 with an objective to strengthen the links between University and Corporate Houses. The event witnessed participation of industry



leaders from almost 30 corporate(s). Keeping in view the restricted industrial exposure for students of the State the event not only provided the platform to the students of CUJ but also to other academic institutions of the region. Through this event, the University was able to provide corporate guidance and training for the students and faculty across the disciplines. Furthermore, through HRD Congress, the University was able to generate training, mentorship and placement avenues for faculty and students respectively.

The University has also initiated a unique Corporate Immersion & Leadership Development Programme with an objective to sensitize the professionals towards the grass root level understanding of industry that attempts to connect classroom learning with real time environment.

12. Co-curricular Activities :

Facilities for sports and other co-curricular activities are available at the University Campus. These include outdoor games such as cricket, football, volleyball, badminton and basketball. Besides, facilities for indoor games like table tennis, chess and carrom are also available.

13. NSS Activities :

The National Service scheme (NSS) unit was created in the Central University of Jammu in 2015 in order to engage students in co-curricular activities such as community development and awareness programmes. The Unit has enrolled more than 120 volunteers from various departments of the University. It has organized various activities : Blood Donation Camp, Visit under PRA (Participatory Rural Appraisal), Participation in Youth Festival, republic Day Celebrations, Digital India Workshop etc.

14. Gymnasium :

The University has established fully equipped gymnasium in the Main Campus.

15. Combined Coaching Classes :

The University is also providing coaching classes of Combined Central and State Services Preliminary Examination to the students of the University as well as students from outside the University with due number of seats for the SC, ST, OBC & PwD Students.

16. PG Diploma Course in Yoga :

The University has started One Year PG Diploma course in Yoga w.e.f. Academic Session 2018 for the benefit of the students.

17. Udaan :

University organizes cultural festival UDAAN wherein students showcase their talents in various areas like Singing, Dancing, Painting, Rangoli Making etc.

18. Facilities :

(i) Faculty Rooms and Cabins :

Faculty has well equipped IT-enabled cubicles and work stations providing them all facilities for pursuing academic and research activities.



(ii) *Seminar Hall*

Well-equipped Seminar Hall with a seating capacity of 170 has been created. The Committee rooms have been established at main campus for meetings, seminars, academic activities etc.

(iii) *Healthcare*

Medical facilities with full time doctors and nursing staff have been made available for the students, staff and faculty of the University at its campus.

(iv) *Canteen/Cafeteria*

The University has a spacious, airy canteen where students and teaching faculty relish the neat and clean eatables prepared under hygienic conditions at its campus.

(v) *Hostels/Halls of Residence*

The University has one Boy's Hostel (100 bed) and one Girl's Hostel (100 bed) under construction. At present the University has hired private buildings on monthly rent basis in Jammu city to accommodate outstation students. Depending on availability, these are allotted to the students on merit and distance basis.



MONTHWISE HIGHLIGHTS OF THE YEAR

April, 2019

Campus Academic/Research Activities

➤ VIVA-VOICE

Department Human Resource Management & Organisational Behaviour, Central University of Jammu, conducted Viva-Voicent of e of Mr. Javeed Ahmad Teeli, Ph.D. Scholar on 15th April, 2019.

Visits

➤ MODERATION MEETING

On 4th April, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited Madhya Pradesh Public Service Commission, Indore, as an expert nominated by the Chairman, University Grants Commission (UGC), for finalization of the result of the Madhya Pradesh SET conducted during 17th and 18th January, 2019.

Seminar/Workshop/Lecture

➤ EXTENSION LECTURE

On 05th April, 2019, Department of Hindi and other Indian Languages, Central University of Jammu, organized an Extension Lecture by Prof. Sudhakar Singh, former Head, Hindi, Banaras Hindu University, Varanasi.

➤ WORKSHOP ON CHILD PROTECTION

The Department of Social Work, Central University of Jammu, in collaboration with NSS unit organized a two-day workshop for the student volunteers under its United Nations Children's Fund (UNICEF) funded project "Promoting Volunteerism For Child Protection in J&K" at Brig. Rajinder Singh Auditorium, Central University of Jammu on 09th April, 2019. The main objective of this workshop was to generate zeal among the students to act as effective volunteers for child protection.

➤ INSPIRATIONAL TALK

On 15th April, 2019, Department of Equal Opportunity Cell, Central University of Jammu, organized an inspirational talk by Shri Chandeeep S. Sudan an orthopedically challenged sportsman at Brig. Rajinder Singh Auditorium, Central University of Jammu.



➤ **RAM SAHAI MEMORIAL LECTURE**

On 27th April, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as Chief Guest in the “6th Shri Ram Sahai Memorial Lecture” on “Family Run Business Challenges and Way Forward” organized by Indian Institute of Public Administration (IIPA), J&K Regional Branch.

Meet/Meeting/Conference

➤ **MEETING WITH ADVISOR K.K. GUPTA**

On 09th April, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, met Shri K.K. Sharma, Hon'ble Advisor to Hon'ble Governor, J&K, and discussed many issues related to the diversity and initiatives of the work to strengthen research and faculty.

➤ **MEETING WITH SPECIAL SECRETARY HIGHER EDUCATION**

On 12th April, 2019, Dr. Ravi Kumar, Registrar, Central University of Jammu, attended the meeting called by Special Secretary, Higher Education at Civil Secretariat, Jammu, to discuss land and other issues of Central University of Jammu.

➤ **IDBS MEETING**

On 22nd April, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the meeting of Interdisciplinary Board of Research Studies (IDBS), of Design Innovation Centre (DIC), Central University of Kashmir held at IQAC Hall, Central University of Kashmir.

➤ **ALUMNI MEET**

On 26th April, 2019, Central University of Jammu organized its 2nd Alumni Meet at Brigadier Rajinder Singh Auditorium, University of Jammu, in which more than 300 alumni participated. Prof. Manoj Dhar, Vice Chancellor, University of Jammu was the Chief Guest. On this occasion elections for CUJ Alumni Association was convened by Dr. Vandana Sharma and her team. The following were elected :

- | | | |
|------------------------|---|-------------------|
| i) President | - | Ms. Diksha, |
| ii) Vice President | - | Mr. Ashish Manhas |
| iii) General Secretary | - | Mr. Jaspreet |
| iv) Joint Secretary | - | Mr. Jaspreet |

The Alumni meet was followed by Cultural evening.

Misc

➤ **UNIVERSITY ANNUAL SPORTS MEET-2019**

Under the aegis of the Directorate of Physical Education, Central University of Jammu, the Annual Sports Meet of the University was held in the campus premises on 9th April, 2019. Vice Chancellor, Central University of Jammu declared the sports meet open by lighting the ceremonial torch, which was



followed by a torch relay and a series of sports events like 100 mts race, volley ball, kabaddi, shotput, kho-kho and indoor games competitions like chess, carom and table-tennis. In addition to this, the Directorate had collaborated with District Legal Services Authority Samba for making the event more socially relevant by organising participation of specially abled children. Mr. M.K Sharma, Distt. & Sessions Judge, Samba was the Chief Guest; Ashok Kumar Salotra, Director, Sports, SMVDSB was the guest of honor and Ms. Swati Gupta, Secretary, DLSA, Samba was the special invitee on this occasion.

➤ **UDAAN-2019**

A two day annual cultural fest “UDAAN-2019” was organized by Dean Students' Welfare, Central University of Jammu, on 10th April, 2019 at its main Campus. The event was inaugurated by Prof. Ashok Aima, Vice Chancellor, Central University of Jammu. More than 300 students participated in 07 events (like Photography, Painting, Collage Making, Rangoli, Fashion Show, Group Song and Group Folk Dance), organized during 2-day cultural fest. In the end, prizes were distributed to the winners of different activities.

May, 2019

Campus Academic/Research Activities

➤ **VIVA-VOICE**

Department of Human Resource Management & Organisational Behaviour, Central University of Jammu, conducted Viva-Voce of Mr. Neeraj Dhiman, Ph.D. Scholar on 06th May, 2019.

➤ **BOARD OF STUDIES**

Meeting of Board of Studies in the Department of Social Work, Central University of Jammu was held at its Main Campus, Rahya-Suchani (Bagla) on 14th May, 2019.

➤ **BOARD OF STUDIES**

Meeting of Board of Studies in the Department of Computer Science and Information Technology, Central University of Jammu was held at its Main Campus, Rahya-Suchani (Bagla) on 21st May, 2019.

➤ **CUCET-2019**

On 25th and 26th May, 2019, Central University of Jammu, conducted its Central University Common Entrance Test (CUCET) -2019, which is a collegium of 15 Central Universities, at different locations of the Jammu region, Jammu (03 Centres), Udhampur (01 Centre), Kathua (01 Centre), Samba (01 Centre), Rajouri (01 centre) and Doda (01 Centre). About 42000 applications were received from pan India candidates for Central University of Jammu and 13000 candidates appeared in the entrance test.

➤ **PG DIPLOMA IN YOGA**

On 30th May, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu inaugurated the



2nd batch of One Year PG Diploma in Yoga (2019-20) in Central University of Jammu.

Visits

➤ **TRI-PARTITE MOU**

On 2nd May, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, visited MHRD, New Delhi, for signing of Tripartite MoU between CUJ, MHRD and UGC.

➤ **EXPERT COMMITTEE VISIT**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited A.P.J. Abdul Kalam University, Indore, M.P, as Chairperson of the Expert Team nominated by the University Grants Commission (UGC) along with other members to have an onspot inspection from 10th & 11th May, 2019.

➤ **EXPERT COMMITTEE VISIT**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited Vel's Institute of Science & Technology & Advanced Studies (Deemed to be University), Pallavaram, Chennai, as Chairperson of the Expert Team nominated by the University Grants Commission (UGC) along with other members to have an onspot inspection from 16th & 17th May, 2019.

➤ **HINDI INSPECTION COMMITTEE**

On 31st May, 2019, a three member committee comprising of Shri Dayal Krishan Sharma, Section Officer, UGC; Shri Nand Lal, Private Secretary, UGC and Ms. Ursula Minz, Hindi Advisor, UGC visited Central University of Jammu for the inspection of implementation of Official Language Policy in Central University of Jammu.

Seminar/Workshop/Lecture

➤ **LEADERSHIP CONCLAVE**

On 03rd May, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as a Keynote Speaker to participate in the panel discussion at the "Leadership Conclave 2019: Leadership for Industry 4.0, Education 4.0 and India 4.0" being organized by School of Management, Model Institute of Engineering and Technology (MIET), Kot Bhalwal, Jammu.

➤ **NATIONAL SEMINAR ON TRENDS IN TEACHER EDUCATION**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as Chief Guest to the valedictory function of one day National Seminar on Trends in Teacher Education, organized by Ranjit College of Education, Jammu on 04th May, 2019.

➤ **LECTURE BY DR. RAINA**

On 26th May, 2019, Dr. T.R. Raina, former Professor of Blood Bank, Govt. Medical College, Jammu and



former Programme Director, Advanced Yoga Centre Govt. Medical College, Jammu was invited by the Central University of Jammu to deliver lecture on “Holistic Health, Science of Stress and its Management through Yoga”. During the presentation, Dr. Raina explained how science & spirituality is inter depended and interrelated on the basis of recent science of Quantum Physics & how yogic way of life is important for the overall development of a medical professional. There was also a special practical session on how to increase the memory power of the brain which was appreciated by all.

Meet/Meeting/Conference

➤ **17TH MEETING OF FINANCE COMMITTEE**

17th meeting of the Finance Committee of the Central University of Jammu was held at its main campus, Rahya-Sucheni (Bagla) on 31st May, 2019.

Misc :

➤ **BOOK RELEASE**

On 13th May, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, released the book titled *Faiths and Ford-Finders* written by Shri Ajit Singh Nagra, Principal (Retd.). The book contains the life sketches of the founders of all major faiths, their teachings and words of wisdom. The objective of this book was to cement the bond of communal harmony by fostering the feelings of fraternity, harmony and love by removing the barriers of narrow considerations to make “University in Diversity” a practical fact.

➤ **HANDBOOK RELEASE**

On 13th May, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu; Prof. Mehraj-ud-Din, Vice Chancellor, Central University of Kashmir; Prof. Anju Bhasin, Vice Chancellor, Cluster University of Jammu and Ms. Manorama Bakshi, HR Officer, Tata Trust, New Delhi, released the handbook titled *Promoting Volunteerism for Child Protection in Jammu & Kashmir* prepared by the Department of Social Work under UNICEF funded programme at the Conference Hall, Business School, University of Jammu.

June, 2019

Campus Academic/Research Activities

➤ **BOARD OF STUDIES**

Meeting of Board of Studies in the Department of Botany, Central University of Jammu was held at Temporary Academic Block, Sainik Colony, Jammu on 19th June, 2019.



Seminar/Workshop/Lecture

➤ **SEMINAR ON NATIONAL EDUCATION POLICY 2019**

On 26th June, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited in a one day National Seminar on “Draft National Education Policy 2019” organized by School of Education, Central University of Kashmir.

Meet/Meeting/Conference

➤ **GDMUN 2019**

On 02nd June, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as a Chief Guest on the occasion of award ceremony of GD Goenka Model United Nations Conference organized by GD Goenka Public School, Jammu.

➤ **MEETING WITH HON'BLE HRM**

On 13th June, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the meeting called by Hon'ble HRM at Shastri Bhawan, New Delhi.

➤ **6TH BoG MEETING, BGSBU**

On 15th June, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended 6th Board of Governor's meeting of School of Engineering and Technology of Baba Ghulam Shah Badshah University, Rajouri held at Jammu.

➤ **ROUND TABLE CONFERENCE ON NATIONAL EDUCATION POLICY 2019**

School of Education, Central University of Jammu under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching in collaboration with Department of Education, University of Jammu conducted a ROUND TABLE CONFERENCE on June 18, 2019 to involve all the stakeholders of J&K for building a dialogue and democratize the discourse on Draft National Education Policy 2019 issued by the MHRD. The broader objective of this conference was to rethink on Education Policy and to collaborate, to take note of different views, to establish dialogue with different stakeholders on NEP and to extend recommendations to the MHRD, Govt. of India. The conference had extensive representation of stakeholders across the State. Teacher Educators from State and Central Universities of J&K; Director, School Education, J&K; Secretary Higher Education, J&K; Joint Directors SIE, J&K and Other Administrators of the state have participated in this conference.

Faculty/Staff

➤ **INTERVIEWS**

- On 17th June, 2019, the Central University of Jammu conducted interview for the post of Internal Audit Officer at its main campus Bagla.



- The Central University of Jammu conducted walk-in-interview for the position of Chair Professor under Maharishi Dayanand Saraswati Chair on purely temporary basis on 17th June, 2019, at its main campus.

Misc

➤ **MoU REGARDING NATIONAL CLEAN AIR PROGRAMME (NCAP)**

On 6th June, 2019, on the occasion of World Environment Day, Dr. Shweta Yadav, Assistant Professor, Department of Environmental Studies, Central University of Jammu, signed National Clean Air Programme MoU (between Central University of Jammu, Jammu & Kashmir State Pollution Control Board and Ministry of Environment Forest and Climate Change) on behalf of Central University of Jammu. The theme for this World Environment Day- 2019 is to Beat Air Pollution and the MoU was signed in presence of Shri Prakash Javadekar (Hon'ble Minister of Environment, Forest & Climate Change) and Shri Babul Supriyo (Hon'ble Minister of State for Environment, Forest & Climate Change) and many other dignitaries from Ministry, various state pollution control boards and nodal officers from different states. It is a matter of pride for CUJ family that now we are part of this time bound national level strategy for pan India implementation to tackle the increasing air pollution problem across the country in a comprehensive manner in the form of National Clean Air Programme (NCAP).

➤ **YOGA CAMP AT MANTALAI**

In the light of International Day of Yoga, a free yoga camp was organized at Mantalai, District Udhampur on 9th June, 2019. The camp was organized in collaboration with Central University of Jammu; Duggar Heritage Society, Udhampur; Bhartiya Yog Sansthan, Udhampur and Art of Living at Mantalai. About 120 participants took part in the camp. Dr. M.L. Sharma, a renowned Heart Surgeon from Jammu was the Chief Guest on the occasion.

➤ **5TH INTERNATIONAL YOGA DAY**

On the occasion of 5th International Day of Yoga, Central University of Jammu organized a programme at its Temporary Academic Block (TAB), Sainik Colony, Jammu on 21st June, 2019. The programme was organized by the Yoga Centre of Central University of Jammu in collaboration with Nehru Yuva Sangathan, J&K, Jammu. Prof. Ashok Aima, Vice Chancellor, Central University of Jammu was the Chief Guest on the occasion while Sh. Vikram Singh Randawa (MLC) and Prof. Indu Aima, former Director, IMPA, Jammu were the Guest of Honours. Mr. Bikram Singh Gill, Director, Nehru Yuva Sangathan, J&K, Jammu presided over the function. About 1200 persons, including, university students, teachers, non-teaching employees and volunteers of Nehru Yuva Sangathan participated in the programme. The Yoga Asanas and Pranayamas were performed by all the participants as per Common Yoga Protocol set up by the Ministry of Ayush.



July, 2019

Seminar/Workshop/Lecture

➤ **ORIENTATION LECTURE**

On 10th July, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, delivered an Orientation Lecture on "Is Excellence a Myth or Reality" to university and college lecturers at Human Resource Development Centre (HRDC), University of Jammu.

➤ **83RD GENERAL ORIENTATION COURSE**

On 12th July, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as a Resource Person for 83rd General Orientation Course, organized by UGC Human Resource Centre, University of Kashmir.

Meet/Meeting/Conference

➤ **NATIONAL ACADEMIC DEPOSITORY (NAD) MEETING**

A one day NAD National Level Review Meeting for all the academic institutions of J&K Region, was held in the Central University of Jammu on 3rd July, 2019.

➤ **84TH MEETING OF NAAC EXECUTIVE COMMITTEE**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the 84th meeting of the NAAC Executive Committee held on 05th July, 2019, at NAAC Office, New Delhi.

August, 2019

Visits

➤ **VIVA VOICE**

On 09th August, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as an examiner for the conduct of viva-voce of Shri Sanjeev Kumar by Raffles University, for the award of Ph.D. Degree.



Meet/Meeting/Conference

➤ **NAAC EC/FC MEETING**

On 20th August, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the NAAC EC/FC Meeting held at Inter University Accelerator Centre (IUAC), New Delhi.

➤ **PANEL DISCUSSION**

On 31st August, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as a Panelist by Model Institute of Education and Research (MIER), Jammu, to participate in the Panel Discussion on the theme, "Building World Class Educational Institutions: Issues and Challenges".

Faculty/Staff

➤ **CAS PROMOTION OF FACULTY**

On 23rd August, 2019, Central University of Jammu conducted Screening-cum-Evaluation Committee for CAS promotion of Dr. Anil Kumar Bharti and Dr. Preeti Gupta in the Department of Economics and Dr. Neerendra Kumar in the Department of Computer Science and Information Technology from Stage-I to Stage-II.

➤ **WALK-IN-INTERVIEW :**

- The Central University of Jammu conducted walk-in-interviews for the posts of Assistant Professor on purely temporary engagement in the Department of Botany and Zoology on 26th August, 2019, at its main campus, Rahya-Suchani (Bagla).
- The Central University of Jammu conducted walk-in-interviews for the posts of Assistant Professor on purely temporary engagement in the Department of Physics and Chemistry on 27th August, 2019, at its main campus, Rahya-Suchani (Bagla).
- The Central University of Jammu conducted walk-in-interviews for the posts of Assistant Professor on purely temporary engagement in the Department of Mathematics, English and Tourism and Travel Management on 28th August, 2019, at its main campus, Rahya-Suchani (Bagla).

Misc

➤ **73RD INDEPENDENCE DAY CELEBRATION**

On 15th August, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu accompanied by Registrar, CUJ Dr Ravi Kumar, unfurled tricolour in Main Campus, Bagla, in presence of students, scholars, faculty members, officers, office bearers of various associations, staff and their families.

➤ **COACHING FOR CIVIL SERVICES EXAMINATION**

The inauguration of the 4th Batch of the Combined Competitive Coaching Classes for Civil Services Examination (Preliminary) was held at its Temporary Academic Block, Sainik Colony, Jammu on 21st



August, 2019, in which Prof. Devanand Padha, Department of Computer Science and IT was the Chief Guest. The screening test of the same was held on 04th August, 2019, in which 57 students out of 66 qualified the screening test.

➤ **BLOOD DONATION CAMP**

National Service Scheme Unit of the Central University of Jammu organized Blood Donation Camp in collaboration with Government Medical College, Jammu at its main campus Rahya-Suchani (Bagla) on 26th August, 2019. While delivering the key note address Dr. Vijay Shawney, Professor and Head, Department of Haematology, GMC Jammu, highlighted the significance and health benefits of donating blood. The Vice Chancellor himself donated blood which was followed by other donors.

➤ **FIT INDIA MOVEMENT**

Fit India Movement was observed with enthusiasm and fanfare in the Central University of Jammu on 29th August, 2019, under the aegis of Directorate of Physical Education and Office of Dean Students Welfare, Central University of Jammu. On this day of historic significance, the live telecast of FIT INDIA MOVEMENT, wherein the Hon'ble Prime Minister, Shri Narendra Modi launched the movement, was followed by Fitness Pledge by the Vice Chancellor and all faculty, staff and students of the University. On this occasion, a WALKATHON was also flagged off by the Vice Chancellor.

September, 2019

Visits

➤ **VISIT TO SPICER ADVENTIST UNIVERSITY**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited Spicer Adventist University, Pune, as Chairperson of the Expert Committee nominated by the Chairman, UGC, along with other members from 12th to 14th September, 2019, to carry out on the spot assessment of fulfillment of criteria in terms of programmes, faculty, infrastructural facilities, financial viability, etc.

➤ **HON'BLE CHANCELLOR VISITED CUJ CAMPUS**

On 16th September, 2019, Amb. G. Parthasarathy, Hon'ble Chancellor, Central University of Jammu visited the CUJ campus and interacted with the Vice Chancellor, Registrar, faculty and students of various departments.

Meet/Meeting/Conference

➤ **REVIEW MEETING ON HEFA PROJECTS**

On 17th September, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu attended the review meeting on HEFA projects held at Constitution Club, New Delhi which was chaired by the Hon'ble



Minister of HRM.

Faculty/Staff

➤ WALK-IN-INTERVIEWS

- The Central University of Jammu conducted walk-in-interview for the post of Assistant Professor on purely temporary engagement in the Department of Social Work and Economics on 04th September, 2019.
- The Central University of Jammu conducted walk-in-interview for the post of Guest Faculty in the Department of Human Resource Management & OB, Tourism and Travel Management and in B.Voc/M.Voc Programme and for Assistant Professor on contract basis in the Department of Mathematics on 06th September, 2019.
- The Central University of Jammu conducted walk-in-interview for the post of Guest Faculty and Assistant Professor in the Department of Physics and Astronomical Sciences on 12th September, 2019.
- The Central University of Jammu conducted walk-in-interview for the post of Guest Faculty for B.A/B.Ed. Programme under the Department of Educational Studies (Specialization: Geography and Political Science) and for Assistant Professor on contract basis in the Department of Chemistry and Chemical Sciences on 30th September, 2019.

➤ CAS PROMOTION OF FACULTY

On 11th September, 2019, Central University of Jammu conducted Selection Committee for CAS promotion of Dr. Sunil Dhar in the Department of Environmental Sciences from Associate Professor (Academic Level 13A) to Professor (Academic Level 14) and of Dr. Suram Singh in the Department of Physics and Astronomical Sciences from Assistant Professor (Academic Level 12) to Associate Professor (Academic Level 13A).

Misc

➤ YOUTH PARLIAMENT

On 5th September, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu was invited as a Jury Member in the Youth Parliament organized by University of Jammu.

➤ INDUCTION DAY

On 19th & 20th September, 2019, the Central University of Jammu organized Induction programme for newly admitted Undergraduate and Post Graduate students at its main campus. The programme was formally inaugurated by lightening the ceremonial lamp by Prof. Ashok Aima, Vice Chancellor of the Central University of Jammu. While welcoming the newly admitted students in CUJ, Prof. Ashok Aima said that students are our ambassador, so they should not confine themselves only to one subject and always serve to get knowledge from others disciplines as well.



➤ **MoU**

On 26th September, 2019, Central University of Jammu and Defence Research and Development Organisation (DRDO) entered into an MoU for the establishment of Kalam Centre for Science and Technology at the University. The MoU was signed in the presence of Defence Minister Shri Rajnath Singh; Department of Defence R&D and Chairman DRDO, Dr. G. Satheesh Reddy; the Chancellor of CUJ, Amb. G. Parthasarthy; CUJ Vice Chancellor Prof. Ashok Aima and others at DRDO Office, New Delhi. The main objective of this MoU is to undertake and facilitate multidisciplinary directed basis and applied research and technology development in the identified research verticals namely; Computational System Security and Sensors.

October, 2019

Visits

➤ **OATH CEREMONY OF NEW LT. GOVERNOR, J&K**

On 31st October, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited Srinagar to participate in the Oath Ceremony of Shri Girish Chandra Murmu as first Lieutenant Governor of the Union Territory of Jammu and Kashmir.

Seminar/Workshop/Lecture

➤ **DISTINGUISHED LECTURE SERIES :**

On 3rd October 2019 the Department of National Security Studies in collaboration with the Ministry of External Affairs (External Publicity and Public Diplomacy Division) organised Distinguished Lecture on "India West Asia Relations: A Success Story" delivered by Amb. Talmiz Ahmad, Former Indian Ambassador to Saudi Arabia, Oman and the Ram Sathe Chair Professor for International Studies Symbiosis International University Pune. Prof. Dipankar Sengupta Professor of International Trade and Economics in Jammu University has moderated the discussion and gave his remarks highlighting the need to engage with West Asia by reviving our old cultural and trade linkages rather than looking at the region in binaries.

➤ **FACULTY DEVELOPMENT PROGRAMME**

The Department of Computer Science and Information Technology, Central University of Jammu, organized one week AICTE (ATAL) Faculty Development Programme sponsored by AICTE from 14th to 18th October, 2019.

➤ **ROUND TABLE DISCUSSION**

On 16th October, 2019, Department of National Security Studies, Central University of Jammu organized Round Table Discussion on "Cross-Border Security after the Abrogation of Art. 370: Issues &



Challenges". Dr. Sameer Patil, Senior Fellow, Gateway House, Mumbai (a leading think-tank) was the guest speaker on this occasion.

➤ **NATIONAL SEMINAR/BOOK RELEASE**

Centre for Comparative Religion and Civilisation, Central University of Jammu in collaboration with ICSSR jointly organized two days National Seminar on the topic "Contribution of Jammu & Kashmir to Indian Thought" on 22nd and 23rd October, 2019 in University of Jammu. Prof. Rajnish Kumar Shukla, Vice Chancellor, Mahatma Gandhi Antarrashtriya Hindi Vishvavidyalaya, Wardha was the Chief Guest. On this occasion he also released a book titled "Ten Studies in Kashmir History and Politics", written by Dr. Kashi Nath Pandita.

Meet/Meeting/Conference

➤ **17TH MEETING OF UNIVERSITY BUILDING COMMITTEE**

The 17th meeting of the University Building Committee of the Central University of Jammu was held on 30th October, 2019, at its main campus, in which deliberations were held with regard to development of Campus of the University at Village Bagla, Raya-Suchani, Distt. Samba. The Committee also confirmed the minutes of the 16th meeting of the Building Committee and action taken on the decision taken in the last meeting.

Faculty/Staff

➤ **INTERVIEWS**

On 10th October, 2019, the Central University of Jammu conducted interviews for the post of Professor, Associate Professor and Assistant Professor in the Department of Educational Studies.

On 11th October, 2019, the Central University of Jammu conducted interviews for the post of Associate Professor in the Department of Physics & Astronomical Sciences, for the post of Professor & Associate Professor in the Department of Hindi & Other Indian Languages and for the post of Associate Professor in the Department of Economics.

On 12th October, 2019, the Central University of Jammu conducted interviews for the post of Associate Professor in the Department of Zoology and for the post of Professor in the Department of Mass Communication and New Media and in the Centre for Molecular Biology.



November, 2019

Visits

➤ **MEETING WITH DRDO OFFICIALS**

On 09th November, 2019, a ten members team from DRDO Hqrs, New Delhi, headed by Dr. Sudhir Kamath, OS&DG (MED & CoS) visited Central University of Jammu regarding finalization of research projects and site selection for establishment of Kalam Centre for Science and Technology at Central University of Jammu.

Seminar/Workshop/Lecture

➤ **REFRESHER COURSE LECTURE**

On 15th November, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited by UGC-Human Resource Development Centre, Himachal Pradesh University, Shimla, to deliver lecture to the participants of Refresher Course on Commerce & Management. He spoke on the topic "Is Excellence a Myth or Reality".

➤ **INTERACTIVE LECTURE**

On 16th November, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited by Himachal Pradesh Technical University, Hamirpur to interact with the students of MBA Programme.

➤ **FACULTY DEVELOPMENT PROGRAMME**

The Department of Computer Science and Information Technology, Central University of Jammu, organized one week AICTE (ATAL) Faculty Development Programme on "Artificial Intelligence" sponsored by AICTE from 18th to 22nd November, 2019.

➤ **INTERNATIONAL WORKSHOP**

On 25th November, 2019, Department of Environmental Sciences, Central University of Jammu organized International Workshop on "Role of Aerosols in Ice Nucleation: A climate perspective". Dr. Bruce F. Moffett, a bio meteorologist from Ocean Lab, Wales, UK was the eminent speaker while Sh. Ravi Kesar, Ex-Chairman, JKSPCB was the special guest of the workshop.

Meet/Meeting/Conference

➤ **INTERNATIONAL CONFERENCE ON LIFE NARRATIVES IN SOUTH ASIA**

Two-day International Conference on "Multiple Selves in Multiple Texts: Life Narratives in South Asia" was inaugurated on 06th November 2019 at the Central University of Jammu. Prof. Manoj Dhar, Vice-Chancellor, University of Jammu was the chief Guest and Prof. R K Sinha, Vice Chancellor; Shri Mata



Vaishno Devi University was the Guest of Honor whereas Prof. Ganesh Devy delivered the keynote address. The keynote speaker, Prof. Ganesh Devy, a writer and cultural activist dwelt at length over the problematics of self and emphasized that the self-articulation will survive. Prof. Ashok Aima, Vice Chancellor, Central University of Jammu was the Chief Guest while Prof. Chandra Mohan chaired the Valedictory Session on 07th November, 2019.

➤ **INTERNATIONAL CONFERENCE ON GANDHIAN PHILOSOPHY**

On 07th November, 2019, University of Jammu in collaboration with Central University of Jammu and Sarvodaya International Trust organised International Conference on “Revisiting the Virtues of Gandhian Philosophy: Relevance and Applicability in the 21st Century” at General Zorawar Singh Auditorium, University of Jammu. Dr. Harivansh Narayan Singh, Hon'ble Deputy Chairman, Rajya Sabha was the Chief Guest on this occasion.

➤ **AIU NORTH ZONE VICE CHANCELLORS MEET-2019**

On 17th November, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as Chairperson and Speaker on the Technical Session-II on “Learning from International Models of Skilling” during two days AIU North Zone Vice Chancellors Meet-2019, held at Shri Mata Vaishno Devi University, Katra, Jammu.

➤ **12TH ACADEMIC COUNCIL MEETING OF CUJ**

The 12th Academic Council meeting of Central University of Jammu was held at its main campus, Raya Suchani (Bagla), Samba, on 22nd November, 2019.

➤ **MEETING OF NAAC EXECUTIVE COMMITTEE**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the meeting of the NAAC Executive Committee held on 27th November, 2019, at NAAC Office, New Delhi.

Misc

➤ **CELEBRATION OF INDIAN CONSTITUTION DAY**

The Central University of Jammu celebrated 70th anniversary of Indian constitution at its campus on 26th November, 2019 in which Registrar, Central University of Jammu read the preamble of India Constitution. The live telecast of Samvidhan divas proceedings from Parliament House was also shown in the University Auditorium in which approximately 200 students, scholars, faculty and staff of the University were present. Essay competition on the theme “Federal features of Indian Constitution: Implications for States” and panel discussion on the theme “Dynamics of Indian constitution” were also held on this occasion.

➤ **RELEASE OF SURVEY REPORT**

On 23rd November, 2019, Vice Chancellor, Central University of Jammu; Mayor, Deputy Mayor and Commissioner from Jammu Municipal Corporation, jointly released a survey report on “Urban Homeless Persons in Jammu and Kashmir”.



December, 2019

Visits

- Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited Gujarat Technological University from 3rd to 4th December, 2019, as Chairperson of the Expert Team along with other members constituted by the UGC for assessment of the institution to include it under Section 12-B of UGC Act, 1956.

Seminar/Workshop/Lecture

➤ **JAMMU LITERARY FESTIVAL**

The Department of English, Central University of Jammu hosted YayavarJammu Literary Festival on 14th December 2019, organized by Yayavar - a literary and cultural organisation. Symposium on Dogri Literature: Retrospect and Prospects was one of the enlightening sessions of the daylong proceedings wherein distinguished luminaries such as Prof Lalit Magotra (author), O.P. Sharma Vidyarthi (Director, SFRI J&K Govt.), Dr. Vandana Sharma HOD English CUJ, Dr Sandeep Sufi (Asst Prof. Dogri Jammu University), and Mr. Surjit Hosh (Cultural Officer DSC Jammu) illuminated the audience with their deep insights on Dogri Language and Literature.

➤ **NATIONAL SEMINAR AND CAPACITY BUILDING WORKSHOP**

Department of Human Resource Management and Organisational Behaviour, Central University of Jammu in collaboration with University of Kashmir organized a National Seminar and Capacity Building Workshop on "Fair Trade Practices in Digital Market Space" from 11th -14th, December 2019 at Gandhi Bhawan, University of Kashmir . The event was sponsored by Department of Consumer Affairs, Food and Public Distribution, GOI. The seminar and workshop was attended by representatives from CAPD, Legal Metrology, Universities, colleges and schools. This was the second seminar and workshop in the series being conducted under the aegis of project sanctioned by Ministry of Consumer Affairs to Dr. Gowhar Rasool, Assistant Professor, Department of HRM & OB, Central University of Jammu.

➤ **14TH NATIONAL SCIENCE CONGRESS**

Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the inaugural ceremony of the 14th Science Congress organized by the University of Jammu from 20th -22nd December, 2019.

Meet/Meeting/Conference

➤ **15TH MEETING OF THE EXECUTIVE COUNCIL**

The 15th Executive Council meeting of Central University of Jammu was held at its Main Campus, Raya Suchani (Bagla), Samba, on 10th December, 2019, in which various important academic and administrative decisions were taken.



- **VISITOR'S CONFERENCE 2019**
On 17th December, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the Visitor's Conference 2019 held at Rashtrapati Bhavan, New Delhi.
- **VICE CHANCELLORS FORUM MEETING**
On 22nd December, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited to attend the Vice Chancellors Forum Meeting at University of Jammu to deliberate upon the common issues concerning the functioning of the universities of Jammu and Kashmir.
- **BOARD OF GOVERNORS MEETING OF BGSBU**
On 29th December, 2019, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu attended the 8th meeting of the Board of Governors of School of Engineering and Technology, BGSBU at Jammu.

Faculty/Staff

- **INTERVIEW**
On 09th December, 2019, Central University of Jammu conducted interviews for the post of Finance Officer and Controller of Examination. The result of the same was declared on 11th December, 2019.

January, 2020

Campus Academic/Research Activities

- **BOARD OF STUDIES**
On 27th January, 2020, Department of Nano Sciences and Materials conducted its Board of Studies.

Visits

- Prof. Ashok Aima, Vice Chancellor, Central University of Jammu attended "NAAC Silver Jubilee Celebrations" addressed by the Hon'ble Vice President of India Shri. M. Venkaiah Naidu at Glass House of Raj Bhavan, Bangalore on 7th January, 2020.
- Prof. Ashok Aima, Vice Chancellor, Central University of Jammu visited Sardar Patel University, Gujarat, for attending the Advisory Committee for the UGC DRS SAP III on Saturday, 18th January, 2020 and also attended a national seminar on "Transformation of Indian Rural Economy" as Guest of Honour at G. H. Patel Postgraduate Institute of Business Management, Sardar Patel University, Gujarat.



- Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, visited Indian Institute of Cost and Management Studies & Research, Pune, for grant of extension of autonomous status to the college as Chairman of the team constituted by the UGC from 27th - 28th January, 2020.

Seminar/Workshop/Lecture

- **WEEK LONG WORKSHOP ON MOOCs**
Department of Educational Studies, Central University of Jammu under the scheme of Pandit Madan Mohan Malviya National Mission on Teachers Teaching organized a week long workshop Professional Development on “Design, Develop and Deliver MOOCs” from 3rd - 9th January, 2020 at Main Campus, Rahya-Suchani, District Samba. The inaugural session of the workshop was graced by Hon'ble Vice Chancellor Prof. Ashok Aima, Central University of Jammu and Prof. K. Srinivas, HOD ICT, NIPEA, New Delhi, was the key note speaker of all the four technical sessions on the first day.
- **TWO DAYS NATIONAL SEMINAR**
Two Days National Seminar on “Emergence of New India: Philosophy and Teaching of Swami Vivekananda” was organized by Chair Professor Swami Vivekananda, Central University of Jammu in collaboration with Indian Council of Social Sciences Research, New Delhi, from 16th -17th January, 2020.
- **NATIONAL WORKSHOP ON YOGA AND YOGIC SCIENCES**
A one day National Workshop of Inter University Centre for Yogic Sciences, Bengaluru (IUCYS) for all the Vice Chancellors of Universities where Yoga is offered as one of the subject has been organised at Maharshi Kannad Auditorium of Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi on January 23, 2020. Hon'ble Minister for Human Resource Development Dr. Ramesh Pokhriyal Nishank was the Chief Guest on the occasion. Prof. Ashok Aima, Vice Chancellor, Central University of Jammu attended the workshop. Dr. Kiran, Asst. Professor, Department of Education and Dr. Rouchi Choudhary, Asst. Professor, Department of Public Policy and Public Administration also attended the workshop.
- **INTELLECTUAL PROPERTY RIGHTS SEMINAR**
On 24th January, 2020, University Innovation Council, Central University of Jammu and PHD Chamber of Commerce and Industry jointly organised one day awareness Seminar on 'Importance of Intellectual Property Rights' at its main campus Rahya-Suchani (Bagla), District Samba, Jammu. The seminar was inaugurated by Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, Dr. Ranjeet Mehta, Principal Director, PHDCCI, Mr Rakesh Wazir, Chairman, Jammu Chapter, PHDCCI, Ms. Kanchan Zutshi, Secretary, PHDCCI and Dr. V. Sridharan, President University Innovation Council, Central University of Jammu. In this seminar, four technical sessions were conducted by various experts. A total number of 160 participants including faculty members, research scholars and students participated in this seminar.



Meet/Meeting/Conference

➤ **18TH MEETING OF THE BUILDING COMMITTEE**

On 11th January, 2020, the 18th meeting of the University Building Committee was held at Press Club, Jammu in which deliberations were held with regard to development of Campus of the University. The Committee also confirmed the minutes of the 17th meeting of the Building Committee and action taken on the decision taken in the last meeting.

➤ **MEETING WITH HON'BLE HRD MINISTER**

On 24th January, 2020, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, attended the meeting called by Ho'ble HRD Minister, Shri Ramesh Pokhriyal 'Nishank' at State Guest House, Srinagar.

➤ **MEETING AT NITIAAYOG**

On 30th January, 2020, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu attended the meeting of Vice Chancellors of 13 Central Universities in the Himalayan States under the chairmanship of Vice Chairman, NITIAayog at NITIAayog, Sansad Marg, New Delhi.

➤ **BOARD OF STUDIES**

On 31st January, 2020, Department of Physics and Astronomical Sciences, Central University of Jammu, conducted its 04th Board of Studies Meeting.

MISC

➤ **SWACHHTA PAKHAWADA**

The Central University of Jammu observed Swachhta Pakhwada from 16th 31st January, 2020 at its main campus, Rahya-Suchani, District Samba. The NSS volunteers under the supervision of Dr. Jeganathan, Nodal Officer, Swachh Bharat Abhiyan conducted various activities during the Swachhta Pakhwada.

➤ **PARIKSHA PE CHARCHA**

On 20th January, 2020, live telecast on Pariksha Pe Charcha 2020 was held in the Brig. Rajinder Singh Auditorium, Central University of Jammu. Hon'ble Prime Minister interacted with a cross section of students at Talkatora Stadium, New Delhi. The students from Kendriya Vidyalaya, Central University of Jammu along with faculty and students of the university participated in the live telecast of Pariksha Pe Charcha 2020.



➤ **FIT INDIA MOVEMENT**

On 24th January, 2020, Directorate of Physical Education, Central University of Jammu, organised a Marathon under Fit India Movement at its Main Campus, Rahya-Suchani (Bagla), District Samba, Jammu. The students of all Departments, faculty, staff and some students of Kendriya Vidyalaya, Central University of Jammu also participated in the Marathon.

➤ **REPUBLIC DAY CELEBRATIONS**

On 26th January, 2020, Central University of Jammu celebrated 71st Republic Day at its Main Campus, Rahya-Suchani (Bagla), District Samba, Jammu. The flag was hoisted by Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, in presence of faculty, students and staff of the university.

February, 2020

Campus Academic/Research Activities

➤ **VIVA-VOICE**

- Department of Economics, Central University of Jammu, conducted viva-voce of Mr. Shahid Hamid Raina, Ph.D. Scholar on 06th February, 2020.
- On 10th February, 2020, Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as an external examiner for the conduct of viva-voce of Ph.D Scholar Ms. Imaan Ashraf, Department of Management Studies by University of Kashmir for the award of Ph.D. Degree.

➤ **BOARD OF STUDIES**

- The 5th Meeting of Board of Studies of Department of Nano Sciences and Materials, Central University of Jammu, was held on 07th February, 2020.
- The 8th Meeting of Board of Studies of Department of Human Resource Management and Organizational Behavior, Central University of Jammu, was held on 27th February, 2020.

Visits

- Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited as Key Speaker in the '1st Leadership Summit' held at IIM Jammu on 8th February, 2020. Panel Discussion on "Emerging Role of Academia in Knowledge Economy" was also held with the other Vice Chancellors/Directors of the Jammu and Kashmir region.
- Prof. Ashok Aima, Vice Chancellor, Central University of Jammu, was invited by School of Business



Studies, University of Kashmir, as an External Expert for Ph.d. Viva-Voce of a research scholar on 10th February, 2020.

Seminar/Workshop/Lecture

- **TWO DAY NATIONAL SEMINAR**
Department of Educational Studies, Central University of Jammu, under the aegis of Pandit Madan Mohan Malviya National Mission of Teachers Teaching organized two days national seminar on “Assessment and Evaluation Recent Trends and Challenges” from 5th-6th February, 2020 at Main Campus, Rahya-Suchani, District Samba.
- **EXTENSION LECTURE**
Prof. Pritam Singh, Emeritus Professor, Oxford Brookes Business School, UK, visited Central University of Jammu, on 5th February, 2020, for an extension lecture on “Challenges for Economic Theory and Policy in the 21st Century” organized by the Department of Economics, Central University of Jammu.
- **GUEST LECTURE**
On 07th February, 2020, Department of Public Policy and Public Administration organized a Guest Lecture on “Public Administration Theory”. Prof. Alka Dhameja from IGNOU University, Delhi, was invited to deliver the guest lecture.
- **EXTENSION LECTURE**
On 07th February, 2020, Department of Mass Communication and New Media, Central University of Jammu, organized an extension lecture of Prof. Vivek Sachdeva, Indraprastha University, New Delhi on the topic “Film and Media Studies”.
- **WORKSHOP ON RESEARCH METHODOLOGY**
On 17th February, 2020, Department of Mass Communication and New Media, Central University of Jammu organized a one day workshop on Research Methodology in which Prof. Pradeep Nair, Central University of Himachal Pradesh, explained the students and research scholars of the department “How to write a Research Dissertation”. Prof. Baldev Bhai Sharma, Head Department of Journalism and Mass Communication, Central University of Himachal Pradesh also shared his thoughts on the Research Process in today's time.
- **NATIONAL SCIENCE DAY 2020**
On 28th February, 2020, Central University of Jammu celebrated National Science Day 2020 on the theme 'Women in Science'. Prof. Devanand, Dean, School of Basic and Applied Sciences, Central University of Jammu was invited as Chief Guest while Dr. Dinesh V. Ganvir, Deputy Director General, Geological Survey of India was invited as Guest of Honour on the occasion. Dr. Shubra Sharma, Director, J&K Forensic Department, delivered lecture during the event.



Meet/Meeting/Conference

➤ REGIONAL CONSULTATIVE MEET

On 28th February, 2020, School of Education, Central University of Jammu, under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers & Teaching, organised a one day “Regional Consultative Meet on Feasibility of NCTE Regulations in the UT of Jammu and Kashmir”. The inaugural session of the meet was graced by the hon'ble Vice Chancellor Prof. Ashok Aima, Central University of Jammu and Prof. K. Ramachandran, Advisor, AIPEA, New Delhi, was the key note speaker of all the four sessions of the meet. This meet was attended by various eminent delegates from different higher level institution of teacher education programme including Heads and Deans from various colleges and universities namely Prof. G.M.Malik, Prof. Rajeev Rattan, Prof. Iqbal Matto, Dr. Zubir Kales, Dr. Raj Singh, Dr. Bashir Ahmad Bhat, Prof. Renu Nanda, Prof. Mubarak Singh, Prof. Yasmeen Kawoos, Dr. Syed Zahoor Gilani and Dr. Nasreen Kusar, who shared their viewpoints and thoughts related to implications of NCTE norms and regulation in UT of J&K.

➤ EKATRA 2020

Ekatra 2020 was second annual Entrepreneurial FEST organized by Department of HRM & OB - School of Business studies, Central University of Jammu on 25 February, 2020. It hosted Food stalls, Game zones, and Talent show in which students were given opportunity to learn to invest smart. This event simulated real-time market scenario to the students and helped them in getting familiarized with the entrepreneurial skills. The fest was an attempt to nurture spirit of entrepreneurial thought process amongst the students.

MISC

➤ MOU SIGNED

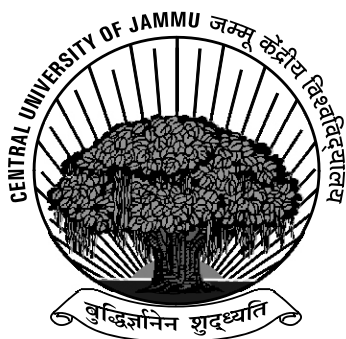
On 5th February, 2020, Central University of Jammu signed MoU with Jammu and Kashmir State Pollution Control Board for creating instrumentation facilities at the university for “National Clean Air Programme” envisaged by the Ministry of Environment, Forest and Climate Change, Govt. of India. Dr. Shweta Yadav, Assistant Professor, Central University of Jammu, is the Nodal Faculty for this programme. An amount of Rs.218.76 (in lakhs) has been sanctioned for this programme and the university has received Rs.1 crore as 1st installment for carrying out the research under this project.

➤ INTERACTIVE SESSIONS

- Department of Human Resource Management and Organizational Behavior, Central University of Jammu, held an Interactive Session which was conducted by Prof. Nawal Kishor on 'Marketing Practices In Emerging Economies' on 26th February 2020.
- Department of Human Resource Management and Organizational Behavior, Central University of Jammu, held an Interactive Session which was conducted by Prof. M. I. Haque on 'Role of Leadership In Fostering Culture of innovation In Business Organization' on 27th February 2020.

CENTRAL UNIVERSITY OF JAMMU

ANNUAL REPORT 2019-20



Departments' Activities / Achievements

Academic Achievements



Department of Environmental Sciences

1. About the Department :

The Department of Environmental Sciences (EVS), established in 2012, is offering M.Sc. programme Environmental Sciences with an intake capacity of 30 students per year. Four batches of students have been admitted till now out of which the first two batches have already passed out. The main focus of the Department is to provide quality education in Environmental Sciences, which has become extremely important in view of increasing development-sustainability conflicts, which largely impact plants, animals and human life. The Department is committed to prepare its students for global competition in job market and research innovations through constant review, revision and updating of the course curriculum to keep pace with the advances made in the discipline, emerging areas of research and development and the new technologies to understand and ameliorate environmental problems. The present curriculum conforms to the Choice Based Credit System recommended by the UGC wherein the students have been given choice to specialize in Natural Resource Management, Environmental Geoscience, and Solid Waste Management. The teaching pedagogy is more learner-oriented in comparison to the conventional classroom teaching. The Department is laying stress on hands-on training of the students in the Lab. and in the field.

2. Achievements :

Department Received two research grants from DST & Pollution control Board of approx. 3.0 crore during session 2019-20.

3. Activities Organized :

(a) Celebration of Earth-Day-2019 :

To celebrate International Earth Day (22nd April, 2019), the Department of Environmental Sciences.

(b) National Symposium on Energy, Environment and Sustainable Development :

The Department of Environmental Sciences organized the National Symposium on Energy, Environment and Sustainable Development on 31st July, 2019.

(c) International Workshop on “Role of Aerosols in Ice Nucleation: A Climate Perspective :

The Department of Environmental Sciences organized International Workshop on “Role of Aerosols in Ice Nucleation: A Climate Perspective” on 25th November, 2019.

(d) Expert Lecture by Dr. Ajay Sharma :

Expert Lecture by Dr. Ajay Sharma from the University of Florida on importance of forest fires in shaping the forest landscapes on 01 April, 2019.

(e) Awareness Program organised by Department :

15th April, 2020: The students (2nd semester) take part in cleanliness drive to collect Plastic bag, bottle, and other waste from Sayiad Baba water fall.

4. Field Trips / Industrial Visit / Educational Visit :

- a. May 2019: Prof. Shakeel Ahamad Romshoo, Kashmir University, J&K
- b. Prof. Piyush Malaviya, Jammu University, J&K



- c. Prof. Kaul, Jammu University, J&K
- d. Prof Raj Kumar Rampal, Jammu University, J&K
- e. July 2019: Prof. Piyush Malaviya, Jammu University, J&K
- f. Dr. Vineet V Tyagi, SMVDU, Katra, J&K
- g. Dr. Adarsh Kumar Pandey, Sunway University, Malasiya
- h. Prof Raj Kumar Rampal, Jammu University, J&K
- i. August 2019: Dr. Balbir Singh Kaith, NIT Jaandhar (Punjab)
- j. October 2019: Prof Raj Kumar Rampal, Jammu University, J&K
- k. December 2019: Dr. Vineet V Tyagi, SMVDU, Katra, J&K
- l. March 2020: Prof Raj Kumar Rampal, Jammu University, J&K
- m. Prof. S.K. Mehta, Punjab University, Chandigarh
- n. One Day Practical Excursion to School of Energy Management, SMVDU, Katra

5. Memorandums of Understanding :

Dr. Sas Nodal faculty under NCAP signed MoU between MoEFCC, CUJammu and JKPCB on World Environment Day, 2019 in the presence of ShriPrakashJavadekar (Hon'ble Minister of Environment, Forest & Climate Change) and Shri Babul Supriyo (Hon'ble Minister of State for Environment, Forest & Climate Change)

6. Orientation Programs Organised/Attended by facility

Dr. ShwetaYadav

Seven days professional development workshop on design, develop and deliver massive open online courses (MOOCS) organized by Department of Educational Studies, Central University of Jammu (3rd to 9th January 2020).

7. Faculty Achievements :

Dr. Pankaj Mehta

● April 08, 2019

Central University of Jammu has been appreciated for their effort and participation in Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019 and an improvement card is issued to Central University of Jammu on online portal of ARIIA under the Presidentship of Dr. Pankaj Mehta.

● May 14, 2019

IPR titled as "Ecofriendly Detox Clay Pot (E-DCP)" granted with copyright registration number L-82402/2019 to Dr. Pankaj Mehta and Ms. Anjali Bala.

● June 30, 2019



Dr. Pankaj Mehta and Ms. Anjali Bala Authored a book titled as Medicinal and Aromatic Plant Diversity of Central University of Jammu: A Handbook as the first Publication of the University for the copyright work L68453/2017.

Dr. ShwetaYadav

- Nodal Faculty for Jammu & Kashmir in National Knowledge Network to support National Clean Air Programme (June 2019-till present).
- Fulbright Campus Representative for Central University of Jammu, recognized by United States India Educational Foundation (USIEF), India (2019-till present).
- SERB International Travel Support (ITS) award for presenting in European Aerosols Conference 2019 in Gothenburg, Sweden (25th 30th August, 2019).
- Under Indo-UK collaboration, Dr. Shweta Yadav collaborated with Dr. Bruce Moffett from Ocean lab, Wales, UK to conduct first Himalayan River Campaign to characterize ice nucleating particles in Beas, Sutlej and Chenab rivers.
- Invited talk titled “Characteristics of Aerosols in the Himalayan Region” in Centre for Incubation, Innovation, Research and Consultancy, Bengaluru, Karnataka (December 19, 2019).
- Invited talk titled “Contribution of Rural Environment in Climate Modulations” in National Seminar on Science and Technology in Rural Environment organised by GDC Samba in collaboration with ISCA, Jammu Chapter (December 10, 2019).

8. Seminars, Workshops and Conferences attended :

Name of Faculty	Name of Workshop/ Conferences
Dr. Deepak Pathania	<ul style="list-style-type: none"> ● International Scientific Forum (ISF2019) organized by University of Malaya at Mudzaffar Hotel, Lelaka, Malaysia on 16-17 December, 2019. ● Environment and Disaster Management and Risk Reduction. ● Training programme of IFS officers, SMVDU, (2019).



Prof. Sunil Dhar	<ul style="list-style-type: none"> ● Environment and Disaster Management and Risk Reduction. ● Training programme of IFS officers, SMVDU, (2019) ● Disasters and their Management; Hima layan Context. ● Refresher course on Disaster Management, Jammu University, (2019) ● Glacier fluctuations in Chandra basin, Himachal Pradesh, Him Science Congress, NIT (2019).
Dr. Richa Kothari	<ul style="list-style-type: none"> ● National workshop on “Developments and prospects of thermoelectric energy conversion devices & its applications” organized by school of energy management & school of mechanical engineering Shri Mata Vaishno Devi University, Kakryal, Katra, during 28th and 29th November, 2019
Dr. Anita Singh	<ul style="list-style-type: none"> ● National conference "Recent Trends in the field of Environmental Science & Engineering (RTIFESE-2019) to be held at GJUS & T, Hisar on September 20-21, 2019. ● Attended 60th Annual Conference of AMI & International Symposium on Microbial Technologies in Sustainable Development of Energy, Environment, Agriculture and Health (November 15-18, 2019) held at Central University of Haryana, Mahendergarh.
Dr. Pankaj Mehta	<ul style="list-style-type: none"> ● Glossary of Environmental Sciences MHRD (GOI) ● Recent trends in Environmental Pollution and Disaster Risk Reduction (6-7 February, 2020, New Delhi)
Dr. Shweta Yadav	<ul style="list-style-type: none"> ● Dr. Shweta Yadav participated and presented on “Ice Nucleating Particles and Bioaerosol Diversity in the Himalayan Region” in European Aerosol Conference (EAC) 2019 in Gothenburg, Sweden (August 25-30, 2019). ● Dr. ShwetaYadav participated and presented the progress of J&K in the kick off meeting of National Knowledge Network for National Clean Air Program (NCAP) scheduled from October 14 to 15, 2019 at Indira Gandhi Pratishthan at Lucknow, Uttar Pradesh. The meeting was inaugurated by Hon'ble Chief Minister of Uttar Pradesh, Shri Yogi AdityanathJi.



9. Publications :

- Anita Singh, Stacy R. Bedore, Nilesh K. Sharma, Sarah A. Lee, Mark A. Eiteman, and Ellen L. Neidle. "Removal of aromatic inhibitors produced from lignocellulosic hydrolysates by *Acinetobacter baylyi* ADP1 with formation of ethanol by *Kluyveromyces marxianus*." *Biotechnology for biofuels* 12, no. 1 (2019): 91. (IF 5.4)
- Anita Singh, and Somvir Bajar. "Optimization of cellulolytic enzyme production by thermophilic fungus *Thermoascus aurantiacus* using response surface methodology." *Indian Journal of Biochemistry and Biophysics (IJBB)* 56, no. 5 (2019): 399-403. (IF 0.3)
- Yadav S, Bamotra S, and Tandon, A. "Aerosol-associated non-polar organic compounds (NPOCs) at Jammu, India, in the North-Western Himalayan Region: seasonal variations in sources and processes". *Environ. Sci. Pollut. Res* (2020). <https://doi.org/10.1007/s11356-020-08374-3> (IF 3.208)
- Yadav S, Gettu N, Swain B, Kumari K, Ojha N, Gunthe SS. "Bioaerosol impact on crop health over India due to emerging fungal diseases (EFDs): an important missing link." *Environ. Sci. Pollut. Res.* (2020). <https://doi.org/10.1007/s11356-020-08059-x> (IF 3.208)
- Yadav S, Venezia RE, Paerl RW, Petters MD. "Characterization of Ice Nucleating Particles Over Northern India". *J. Geophys. Res. Atmos.* 124, (2019): 1046710482. <https://doi.org/10.1029/2019JD030702> (IF 3.63)
- Sunil Dhar, Arun Kumar and Shashi Kant. "Spatio-temporal disposition of Chandra basin Glaciers from 1980 to 2011, Lahaul and Spiti Himalayan Region, Himachal Pradesh, India". *International Journal on Emerging Technologies* 11, no. 2 (2020):1005-1012.
- Pankaj Mehta, Sunil Dhar and Deepak Pathania. "Evaluation of hydrogeochemical processes and chemometrics of the groundwater in Vijaypur block of Samba district J&K, India". *International Journal of Higher Education and Research* 9, no.1 (2019): 152-172.
- Pathak AK, Kothari R, Tyagi VV and Anand, S. "Integrated approach for textile industry wastewater for efficient hydrogen production and treatment through solar PV electrolysis". *International Journal of Hydrogen Energy.* (2020). (IF 4.084)
- Azam R., Kothari R, Singh HM, Ahmad S, Kumar VA and Tyagi VV. "Production of algal biomass for its biochemical profile using slaughterhouse wastewater for treatment under axenic conditions". *Bioresource Technology*, 306 (2020):123116. (IF 5.807)
- Pathak A, Vinoba M and Kothari R. "Emerging role of organic acids in leaching of valuable metals from refinery-spent hydroprocessing catalysts, and potential techno-economic challenges: A review". *Critical Reviews in Environmental Science and Technology*, (2020): 1-43. <https://doi.org/10.1080/10643389.2019.1709399> (IF 5.980)
- Maqbool U, Tyagi A, Tyagi VV and Kothari R. "Optimization of the renewable-energy-based micro-grid for rural electrification in northern region of India". *Clean Technologies and Environmental Policy* 22 (2020): 579-590. (IF 2.421)
- Ahmad S, Kothari R, Shankarayan R and Tyagi VV. "Temperature dependent morphological changes on algal growth and cell surface with dairy industry wastewater: an experimental investigation". *3 Biotech* 10, no 1 (2020): 24. (IF 2.27)
- Ahmad S, Majhi PK, Kothari R and Singh RP. "Industrial wastewater footprinting: a need for



water security in Indian context". In Environmental Concerns and Sustainable Development (2020), pp. 197-212. Springer, Singapore.

- Krishna SB, Dubey A, Malla MA, Kothari R, Upadhyay CP, Adam JK and Kumar A. "Integrating Microbiome Network: Establishing Linkages Between Plants, Microbes and Human Health". The Open Microbiology Journal 13, no 1 (2019):330-342. (IF 0.505)
- Baqir M, Bharti SK, Kothari R and Singh RP. "Assessment of an energy-efficient metal chulha for solid biomass fuel and evaluation of its performance". International Journal of Environmental Science and Technology 16, no.11 (2019):6773-6784. (IF 2.396)
- Ahmad S, Kothari R, Pathak VV and Pandey MK. "Fuel quality index: a novel experimental evaluation tool for biodiesel prepared from waste cooking oil". Waste and Biomass Valorization 10, no. 8 (2019):2237-2247. (IF 2.227)
- Ahmad S, Kothari R, Pathania D and Tyagi VV. "Optimization of nutrients from wastewater using RSM for augmentation of Chlorella pyrenoidosa with enhanced lipid productivity, FAME content, and its quality assessment using fuel quality index". Biomass Conversion and Biorefinery 10 (2019):495-512. (IF 2.150)
- Baqir M, Kothari R and Singh RP. "Characterization and ranking of subtropical trees in a rural plantation forest of Uttar Pradesh, India, as fuel wood using fuel wood value index (FVI)". Environment, Development and Sustainability 21, no.2 (2019):763-776. (IF 1.930)
- Singh HM, Kothari R, Gupta R and Tyagi VV. "Bio-fixation of flue gas from thermal power plants with algal biomass: Overview and research perspectives". Journal of environmental management 245 (2019):519-539. (IF 5.250)
- Pandey A, Pathak VV, Kothari R, Black PN and Tyagi VV. "Experimental studies on zeta potential of flocculants for harvesting of algae". Journal of environmental management 231(2019):562-569. (IF 5.250)
- Bala A, Singh U.K, Mehta P, Dhar S and Pathania D. Evaluation of hydrogeochemical processes and chemometrics of the groundwater in Vijaypur block of Samba district, J&K, India. International Journal of Higher Education and Research, 2019
- Singh PK, Verma SK, Singh VK, Moreno JA, Oliveira EP, Mehta, P. Geochemistry and petrogenesis of sanukitoids and high-K anatectic granites from the Bundelkhand Craton, India: Implications for late Archean crustal evolution. Journal of Asian Earth Sciences, 2019. (IF= 3.5)



10. Details of Research Projects :

Title of the project and duration	PI	Amount Sanctioned (Lakhs)	Funding Agency
Glacio-hydrometeorology and paleo-history of Brahma Group of Glaciers, Chenab basin, Jammu and Kashmir	Prof. Sunil Dhar	65	DST
Selective removal of inhibitors found in lignocellulosic hydrolysates and simultaneous conversion of mixed sugars into bio-ethanol using microbial consortium (03 Years)	Dr. Anita Singh	27.5	DST SERB
Source apportionment of aerosols and carrying capacity in NAC of Jammu/Srinagar	Dr. Shweta Yadav	218.76	JKPCB



Department of Chemistry and Chemical Sciences

1. About the Department

The Department of Chemistry and Chemical Sciences at the Central University of Jammu was established in the year 2016 with the introduction of five-year Integrated Masters in Science Chemistry program (current intake 35 seats). The UGC recommended the Implementation of Choice Based Credit System (CBCS) from the inception of the department. The department has started Ph.D. program in Chemistry since 2018-19 academic session. The current faculty members are highly qualified and experienced in various specialized areas of Chemistry such as Organic Synthesis, Green Chemistry, Catalysis, Coordination Chemistry, Bioinorganic Chemistry, Theoretical and Computational Chemistry. Currently, six externally funded research projects with a total cost of around two crore sare in progress which acquiesce high quality research. The department consists of appropriate student-teacher ratio and state-of-the-art laboratories with modern experimental facilities.

The Department of Chemistry and Chemical Sciences strives to be an internationally recognized department through its commitment to high quality education and research. The mission of the department is to provide high quality education in chemical sciences at undergraduate and postgraduate levels that prepares the graduates for productive careers in chemistry and related fields. The students are expected to obtain a broad understanding of the subject, and learn to think critically and communicate effectively in oral and written forms. The department provides a creative and supportive atmosphere for faculty-mentored research and student-centered learning.

2. Achievements

The Department in collaboration with other science departments of the University organized National Science Day (NSD) on 28th Feb, 2020.

3. Workshops/Seminars attended/Paper presented by students

No. of Faculty	International Level
Presented Papers	1. (Oral) Presentation: Dr. Sujata Kundan* Title: Green Energy for Sustainable Development; International Conference on Global Challenges, Innovation & sustainability of Mankind: "UNRAVELLING THE MIND'S EYE" –Organized by Government Degree College, Udhampur in collaboration with Indian Science Congress Association (ISCA), Jammu. 31st Oct.– 2nd Nov, 2019.



	<p>2. (Oral) Presentation and Awardee : Dr. Swati Sharma* Title: "Synthesis and characterization of coordination polymers of europium"; International conference on Chemical and Biochemical Engineering, on 6th Jan.-7th Jan, 2020.</p>
Resource Persons	<p>1. Invited Talk : Dr. V Sridharan Title : Nucleopalladation-Initiated Cascade Reactions of Alkynes: Exploring the Synthetic Potential and Mechanistic Facets at International Conference on Chemistry for Human Development (ICCHD-2020), University of Calcutta, Kolkata on 9th-11th January, 2020</p> <p>2. Dr. Tapta Kanchan Roy Presented paper (poster) Title: Conformer Specific Anharmonic Vibrational Spectroscopy of Micro-Solvated Biomolecules: A Hybrid Potential Energy Surface Approach at International Conference Spectroscopy and Dynamics of Molecules and Clusters, SDMC-2020, 20th -23rd Feb,2020. Udaipur, Rajasthan Organized by: IIT-Jodhpur and BITS-Pilani.</p>

- January 2019 : The Department organized the 1st 'ChemForum' Lecture Series on 25th January 2019 on 'Drug Design and Discovery'.
- March 2019: The Department organized a two-day National Conference on Emerging Trends in Chemical Sciences (ETCS-2019) during 14-15 March 2019.

4. Details of Field Trips / Industrial Visit / Educational Visit

Educational Trip to Rajasthan in Feb. 2020



5. Orientation Programs Organised/Attended by Faculty Members

Name of Faculty	Type of Course/programme	Duration	Name of the Organizer
Dr. Princy Gupta	Refresher Course on Entrepreneurship Development	From 20 th May, 2019 to 10 th June 2019 with A Grade	Faculty Induction Development Cell, Central University of Jammu
Dr. Tapta Kanchan Roy	Refresher Course on Entrepreneurship Development	From 20 th May, 2019 to 10 th June 2019 with A Grade	Faculty Induction Development Cell, Central University of Jammu
Dr. Sujata Kundan	Refresher Course on Entrepreneurship Development	From 20 th May, 2019 to 10 th June 2019 with A Grade	Faculty Induction Development Cell, Central University of Jammu
Dr. Sujata Kundan	One Week Workshop/Training on "PROFESSIONAL DEVELOPMENT WORKSHOP: On Design, Develop & Deliver Massive Online" Organized by Department of Computer Science & IT In Collaboration with C-DAC, Mohali, held at Central University of Jammu, Jammu.	3rd Jan – 9th Jan, 2020	



6. Faculty Publications/Departmental Publications

1. Direct Access to Bridged Tetrahydroquinolines and Chromanes via an InCl_3 Catalyzed Sequential Three-Component Cascade
B. S. Vachan, M. Karuppasamy, G. Jan, N. Bhuvanesh, C. U. Maheswari, V. Sridharan*
J. Org. Chem. 2020, 85, Accepted for Publication (DOI: 10.1021/acs.joc.0c00893) (Impact Factor: 4.745)
Print Edition ISSN: 0022-3263
Web Edition ISSN: 1520-6904
2. Chemodivergent synthesis of functionalized methanodibenzo[b,f][1,5] diazocin-13-Xylmethanones and tetrahydroquinolines via solvent-dependent AB2 and A2B2 multicomponent annulation reactions
I. Muthukrishnan, M. Karuppasamy, B. S. Vachan, D. Rajput, S. Nagarajan, C. U. Maheswari and V. Sridharan*
Org. Chem. Front. 2020, Accepted (Impact Factor: 5.076)
Online ISSN: 2052-4129
3. N-Heterocyclic carbene catalyzed synthesis of trisubstituted epoxides via tandem amidation/epoxidation sequence
E. Sankari Devi, T. Pavithra, A. Tamilselvi, S. Nagarajan, V. Sridharan, C. U. Maheswari
Org. Lett. 2020, 22, 35763580 (Impact Factor: 6.555)
Print Edition ISSN: 1523-7060; Web Edition ISSN: 1523-7052
4. Proline and its derivatives as organocatalysts for multicomponent reactions in aqueous media: synergic pathways to the green synthesis of heterocycles
B. S. Vachan, M. Karuppasamy, P. Vinoth, S. V. Kumar, S. Perumal, V. Sridharan,* J. Carlos Menéndez*
Adv. Synth. Catal. 2020, 362, 87110 (Impact Factor: 5.451)
Online ISSN: 1615-4169
5. Approaches for the development of potential dengue inhibitors
P. Gupta, A. Mahajan
Synth Commun. 2020, Accepted (Impact factor: 1.439)
Print ISSN: 003-7911; Online ISSN: 1532-2432
6. Carbon based solid acids: A review
A. Mahajan, P. Gupta*
Environ. Chem. Lett. 2020, 18, 299314, (Impact factor: 4.617)



Print ISSN: 16103653

7. Highly chemoselective difluoromethylative homologation of iso (thio)cyanates: expeditious access to unprecedented α,α -difluoro(thio)amides
M. Miele, R. D'Orsi, V. Sridharan, W. Holzer, V. Pace
Chem. Commun. 2019, 55, 1296012963 (Impact Factor: 6.164).
Online ISSN: 1364-548X
8. Metal and solvent-free synthesis of 2H-pyrido[1,2-a]pyrimidin-2-ones catalyzed by elemental sulfur
T. Pavithra, E. Sankari Devi, S. Nagarajan, V. Sridharan, C. U. Maheswari
Eur. J. Org. Chem. 2019, 68846887 (Impact Factor: 3.029)
Online ISSN: 1099-0690
9. Direct access to 9-chloro-1H-benzo[b]furo[3,4-e]azepin-1-ones via palladium(II)-catalyzed intramolecular syn-oxypalladation-olefin insertion-sp²CH bond activation cascade
M. Karuppasamy, B. S. Vachan, P. Vinoth, I. Muthukrishnan, S. Nagarajan, L. Ielo, V. Pace, S. Banik, C. U. Maheswari, V. Sridharan*
Org. Lett. 2019, 21, 57845788 (Impact Factor: 6.555)
Print Edition ISSN: 1523-7060; Web Edition ISSN: 1523-7052
10. Heterogeneous Amberlyst-15-catalyzed synthesis of complex hybrid heterocycles containing [1,6]-naphthyridine under metal-free green conditions
I. Muthukrishnan, B. S. Vachan, M. Karuppasamy, A. Eniyaval, C. U. Maheswari, S. Nagarajan, J. C. Menéndez, V. Sridharan*
Org. Biomol. Chem. 2019, 17, 68726879 (Impact Factor: 3.490).
Online ISSN: 1477-0539
11. Palladium-catalyzed regioselective syn-chloropalladation-olefin insertion-oxidative chlorination cascade: Synthesis of dichlorinated tetrahydroquinolines
P. Vinoth, M. Karuppasamy, B. S. Vachan, I. Muthukrishnan, C. U. Maheswari, S. Nagarajan, V. Pace, A. Roller, N. Bhuvanesh, V. Sridharan*
Org. Lett. 2019, 21, 34653469 (Impact Factor: 6.555)
Print Edition ISSN: 1523-7060; Web Edition ISSN: 1523-7052
12. Diastereoselective ABB' three-component synthesis of highly functionalized spirooxindoles bearing five consecutive asymmetric carbons
T. Vivekanand, B. S. Vachan, M. Karuppasamy, I. Muthukrishnan, C. U. Maheswari, S. Nagarajan, N. Bhuvanesh, V. Sridharan*



- J. Org. Chem. 2019, 84, 40094016 (Impact Factor: 4.745)
Print Edition ISSN: 0022-3263; Web Edition ISSN: 1520-6904
13. Progress in the chemistry of tetrahydroquinolines
I. Muthukrishnan, V. Sridharan,* J. C. Menéndez*
Chem. Rev. 2019, 119, 50575191 (Impact Factor: 54.301)
Print Edition ISSN: 0009-2665; Web Edition ISSN: 1520-6890
14. Construction of substituted imidazoles from aryl methyl ketones and benzylamines via N-heterocyclic carbene-catalysis
P.A. Alanthadka, E. Sankari Devi, T. Pavithra, S. Nagarajan, V. Sridharan, C. U. Maheswari
Catal. Commun. 2019, 125, 2631 (Impact Factor: 3.674)
ISSN: 1566-7367
15. Oxidant-free, three-component synthesis of 7-amino-6H-benzo[c]chromen-6-ones under green conditions
B. S. Vachan, A. Ramesh, M. Karuppasamy, I. Muthukrishnan, S. Nagarajan, J. Carlos Menéndez, C. U. Maheswari* V. Sridharan*
RSC Adv. 2019, 9, 3294632953 (Impact Factor: 3.049)
ISSN: 2046-2069
16. Synthesis, characterization and biomedical applications of an alkylated quercetin gadolinium complex
S. Kaviarasi, K. S. Shalini Devi, P. Vinoth, V. Sridharan, E. Yuba, A. Harada, U. M. Krishnan
ACS Biomater. Sci. Eng. 2019, 5, 12151227 (Impact factor: 4.511).
ISSN: 2373-9878
17. Smart supramolecular gels of enolizable amphiphilic glycosylfuran
A. Thamizhanban, K. Lalitha, G. P. Sarvepalli, C. U. Maheswari, V. Sridharan, J. B. B. Rayappan, S. Nagarajan
J. Mater. Chem. B, 2019, 7, 62386246 (Impact factor: 5.047).
Online ISSN: 2050-7518
18. Sustainable approaches for steroid synthesis
P. Gupta, A. Mahajan
Environ. Chem. Lett. 2019, 17, 879895 (Impact factor: 4.617).
Print ISSN: 1610-3653



19. DBU-Mediated synthesis of aryl acetylenes or 1-bromoethynylarenes from aldehydes
Y. Thummala, G. V. Karunakar, V. R. Doddi
Adv. Synth. Catal. 2019, 361, 611616 (Impact Factor: 5.451)
Online ISSN:1615-4169
20. Synthesis of substituted thioamides from gem-dibromoalkenes and sodiumsulfide
A. K. Morri, Y. Thummala, R. Adepu, G. V. M. Sharma, S. Ghosh, V. R. Doddi
Eur. J. Org. Chem. 2019, 71597163 (Impact Factor: 3.029)
Online ISSN:1099-0690
21. Covalently linked porphyrin-graphene oxide nanocomposite: synthesis, characterization and catalytic activity
A. Ahmed, G. Devi, A. Kapahi, S. Kundan, S. Katoch
J. Mat. Sci.: Matee. Electron. 2019, 30, 1973819751 (Impact Factor: 2.195)
Electronic ISSN: 1573-482X; Print ISSN: 0957-4522
22. Novel axially ligated complexes of Zn(II)porphyrin: spectroscopic, computational, and antibiological characterization
S. Kundan, G. D. Bajju, D. Gupta, T. K. Roy
Russian J. Inorg. Chem. 2019, 64, 13791395 (Impact Factor: 0.822)
Electronic ISSN: 1531-8613; Print ISSN: 0036-0236

Book Chapters 2019

1. **Book Chapter** : **The hybrid antimalarial approach**
Chapter/Page No. : Chapter 3, 73-105
Name of the Book : *Annual Reports in Medicinal Chemistry Book series;*
Book Title : *Medicinal Chemistry Approaches to Malaria and other*
Tropical diseases
Authors : Princy Gupta, Lovepreet Singh and Kamaljit Singh
Editor : *Kelley Chibale*
Hardcover ISBN : 9780128198667
eBook ISBN : 9780128205518
Publisher : Elsevier
Year : 2019 (Vol. 53)
2. **Book Chapter** : **Development of computational tools for diverse applications of metal organic frameworks: challenges and outlooks**
Chapter/Page No. : Chapter 7, 149172.



Name of the Book	:	Metal Organic Frameworks
Authors	:	Bukhvalov Danil, Pawan Kumar, Abhinav Gondhi, Tapta Kanchan Roy and Ki-Hyun Kim
ISBN	:	9781925823578
Publisher	:	Central West Publishing, Australia
Year	:	2019

7. Details of Research Projects Ongoing

- Title** : ***Inert C–H Bond Activation-Initiated Cascade Processes via Oxidative Organocatalysis***

Funding Agency : DST-SERB

Budget : Rs. 53,38,300/ (EMR/2016/001619)

Duration : 3 years (2017-2020)

Principal Investigator : Dr. V. Sridharan
- Title** : ***Theoretical Investigation on Conformationally Resolved 3D-structures of Large Biomolecules by Quantum Anharmonic Vibrational Spectroscopy***

Funding Agency : DST-SERB

Budget : Rs. 55,11,000/- (EMR/2017/000512)

Duration : 3 years (2018-2021)

Principal Investigator : Dr. Tapta Kanchan Roy
- Title** : ***The Microscopic View of Structure and Anharmonic Vibrational Spectroscopy of Peptide-water Complexes***

Funding Agency : UGC-Startup

Budget : Rs. 10,00,000/- (No.F.30-352/2017(BSR))

Duration : 2 years (2017-2019)

Principal Investigator : Dr. Tapta Kanchan Roy
- Title** : ***Surface Modified Novel Magnetically Tuned Halloysite Functionalized Sulfonic acids: Synthesis, Characterization and Catalytic Activity***

Funding Agency : UGC-Startup

Budget : Rs. 10,00,000/- (F.30-35/2017(BSR))

Duration : 2 years (2017-2019)

Principal Investigator : Dr. Princy Gupta
- Title** : ***Understanding the Novel Reactivity and Better Utilization of Bicyclic Amidines***



- Funding Agency : DST-SERB
 Budget : Rs. 37,62,000/- (ECR/2017/000419)
 Duration : 3 years (2017-2020)
 Principal Investigator : Dr. Venkata Ramana Doddi
6. Title : ***Synthesis and Biological Evaluation of Nordihydroguaretic acid and its Analogues***
 Funding Agency : DST-SERB
 Budget : Rs. 6,50,000/- (IFA12-CH-36)
 Duration : 2 years (2017-2019 @ cujammu)
 Principal Investigator : Dr. Venkata Ramana Doddi
8. List of CUJ Funded Research Projects
1. Title : ***To the accuracy of density functional theory based potentials for the description of anharmonic molecular vibrations***
 Funding Agency : Central University of Jammu
 Budget : Rs. 2,00,000/- (CUJ/Acad/Proj-PHY/2017/97)
 Duration : 2 years (2017-2019)
 Principal Investigator : Dr. Tapta Kanchan Roy
2. Title : ***Synthesis, spectroscopic and biological evaluation of asymmetrical Cr(III)-5- meso-(p-substituted phenyl)-10,15,20-triphenylporphyrin***
 Funding Agency : Central University of Jammu
 Budget : Rs. 2,00,000/- (CUJ/Acad/P/CHESK/2017/160)
 Duration : 2 years (2017-2019)
 Principal Investigator : Dr. Sujata Kundan
3. Title : ***Novel Synthesis of terminal alkynes and their derivatives***
 Funding Agency : Central University of Jammu
 Budget : Rs. 2,00,000/-
 Duration : 2 years (2017-2019)
 Principal Investigator : Dr. Venkata Ramana Doddi
4. Title : ***Development of green synthetic protocols: Novel solid acids for catalysis***
 Funding Agency : CU Jammu
 Budget : Rs. 2,00,000/- (CUJ/Acad/ProjCHE/2017/105)
 Duration : 2 years (2017-2019)
 Principal Investigator : Dr. Princy Gupta



Department of English

1. About the Department :

The Department of English was established in October, 2011. The Department offers degrees at M.A. and Ph. D levels. Teaching is done through Lectures, ICT based teaching, participatory sessions like Group Discussions, Film Screening, Seminar Paper Presentation, and Debate. The Department provides intensive mentoring to the students both in and beyond the classroom in a wide variety of forums viz. Literary Club, Literary Discourses- a fortnightly seminar series and Commemorating the Writer Series-a monthly activity wherein a writer's birthday is celebrated through lectures, presentations and performances.

2. The Department is distinctive in offering :

- Translation Studies
- Comparative Literature
- Women's Writings Across Cultures

3. Vision :

- To envision the Department as a centre for academic excellence, contextual research and professional expertise.

4. Mission :

- To train students in communication skills in English
- To introduce students to the tools of literary scholarship and sharpen their critical ability to interpret and evaluate all forms of literary expressions.
- To prepare students for employability by honing their professional competencies.
- To strengthen a global worldview through a well structured curriculum and university/community partnership.
- To bolster the interface between technology and English studies.

5. Major Achievements during the year :

During the period under report, the Department enhanced its visibility by engaging in fruitful academic discourses on national and international levels. Whereas on the one hand, faculty members participated and presented papers in various conferences across the country and abroad, the Department organized one international conference and a Literary festival of national level. Moreover, the students and scholars of the department were also exposed to organizing literary events at the university level besides performing plays. One of the prominent activities of the department has been 'Commemorating the Writer Series', wherein the students celebrated the birthday of a writer every month by participating in making presentations, documentaries and panel discussions.



6. International, National Seminars/Workshops/Other events held in Department :

- Department of English, Central University of Jammu organized one-day literary festival "YAYAVAR: Jammu Literary Festival" on 14 December 2019 in the University Campus, Rahya.
- Department of English, Central University of Jammu organized two-day International Conference on "Multiple Selves in Multiple Texts: Life Narratives in South Asia" on 6-7 November 2019 in the University Campus, Rahya.

7. Other Events :

- Literary Club, Department of English organized "Expressions- A Literary Forum" on 18 February 2020. The activities done: quiz, play, short story writing, painting, poetry recitation.

8. Commemorating the Writer Series :

Under Commemorating the Writer Series, Department of English, Central University of Jammu celebrated :

- The birth anniversary of the renowned England-born American poet W.H. Auden (1907-1973) on 25 February 2020 at the university campus. Dr. Nasir F. Butt, Assistant Professor, Department of English, Central University of Jammu was the coordinator of the event.
- Celebrated the birth anniversary of Mahasweta Devi on 4 February 2020. The theme of the event was "Mahasweta Devi as a Social Activist" and the relevance of her works in the contemporary times. Ms. Nancy Sharma, Assistant Professor, Department of English, Central University of Jammu was the coordinator of the event.
- R.K. Narayan's Birth Anniversary in the University Campus on 22 October 2019. The theme of the event was "Relevance of R.K. Narayan in the Present Times". Dr. Parveen Kumari, Assistant Professor, Department of English, Central University of Jammu was the coordinator of the event.
- Sarat Chandra Chatterjee's Birth Anniversary in the University Campus, Committee room on 18 September 2019. The theme of the event was "Sarat Chandra Chatterjee's Role in the Emancipation of Women in India". Dr. Neena Gupta Viz, Assistant Professor, Department of English, Central University of Jammu coordinated the event.
- Ismat Chughtai Birth Anniversary in the University Campus, Rajinder Singh Auditorium on 27 August 2019. The theme of the event was "Ismat Chughtai in Text and Context". Dr. Raj Thakur, Assistant Professor, Department of English, Central University of Jammu, was the coordinator of the event.
- Munshi Premchand Jayanti in the University Campus on 23 July 2019. The theme of the event was "Relevance of Premchand in the 21st century". Dr. M. A. A Farooq, Assistant Professor, Department of English, Central University of Jammu was the coordinator of the event.
- Celebrated Gurudev Rabindranath Tagore Jayanti in the University Campus, Rahya Suchani on 10 May 2019.

9. "Literary Discourses: Fortnightly Seminar Series" :

- On 11 February 2020, Dr. Parveen Kumari, Assistant Professor, Department of English, Central University of Jammu, delivered a talk on "Reflection of Ambedkar's Philosophy on the



Emancipation of Dalit Women in the Selected Dalit Women's Life Narratives”.

- On 1 October 2019, Gulam Ali Rahmani, Research Scholar, Department of English, Central University of Jammu, made a presentation on the topic “Deep State: An Impediment to Third Space”.
- Jamphel Sheyan, Research Scholar, Department of English, Central University of Jammu, made a presentation on the topic “Inner Emigration and Concealed Writing, and Tibetan English Literature”.
- 24 September 2019: Dr. Neena Gupta Vij, Assistant Professor, Department of English, Central University of Jammu presented a paper on the relevance of myth to human beings in general and in the present times in particular. The title of the paper is: “Myth, Mythopoeia, Mythopoesis, My(th)opia and Mythophobia: Some Observations with Reference to the Mahabharata and the Ramayana”.
- Mr. Anil Kumar, Research Scholar, Department of English, Central University of Jammu presented a paper titled: “Unsettling Subjective Identity: Locating Cyborgian in The Year of the Flood”.
- 9 July 2019: Dr. M.A.A. Farooq, Assistant Professor, Department of English, Central University of Jammu made a presentation on the topic “Literary Rebellion in Bengal: Kazi Nazrul Islam Context”.
- 7 May 2019: Dr. Raj Thakur, Assistant Professor, Department of English, Central University of Jammu delivered a talk on “Gandhi's Sporting Disobedience: The Politics of Pentagonal Cricket in Pre-independent India” on 7 May 2019 at 3 P.M. in the committee room (first Floor, main Block, DDE Building).
- 23 April 2019: Dr. Vandana Sharma, Head of the Department, Associate Professor, Department of English, Central University of Jammu delivered a lecture titled “Heroic Uprising in India and Africa: A Subaltern perspective”.

10. Extension Lecture Series :

- On 7 February 2020, Prof. Vivek Sachdev, School of Humanities and Social Sciences, GGSIP University, New Delhi, delivered an Extension Lecture on “Language of Cinema”.
- On 11 November 2019, Prof. Mashrur Shahid Hossain, Jahangirnagar University Dhaka delivered an extension lecture on “Literary Criticism: An Overview”.
- On 6 September 2019, Prof. Sudhi Rajiv, Retired Professor and Head, Department of English, Jai Narain Vyas University, Jodhpur delivered an Extension Lecture on “Literature of the Marginalised”.

11. Field Trips/Industrial Visit/Educational Visit :

Outreach Programme: Educational Tour to Mcleodganj, Dharamshala of M. A. English (Semester IV & II) Students of the Department of English held from 13-15 May 2019. The following members were deputed to accompany the students :

- Dr. Neena Gupta Vij
- Dr. M.A.A. Farooq



- Dr. Raj Thakur
- Dr. Parveen Kumari

12. Faculty Achievements :

- 7 February 2020 : 6th BoS meeting of the Department of English.
 - Prof. Radha Chakravarty (Subject Expert, Ambedkar University, New Delhi)
 - Prof. Roshan Lal Sharma (Subject Expert, Dept. of English and European Languages, CUHP)
 - Prof. Vivek Sachdeva (Subject Expert, Dept. of English, GGSIP University, New Delhi)
- 15 October 2019: Open Viva-voce examination of Mr. Jamiel Ahmad, Ph. D. Scholar, Department of English, Central University of Jammu
 - Prof. K.B. Razdan, Retd. Professor, Department of English, University of Jammu.
- 22 May 2019: 5th Board of Studies meeting of the Department of English
 - Prof. Anil Raina, Department of English, Punjab University (Subject Expert)
 - Prof. Sucheta Pathania, Department of English, University of Jammu (Member Expert)
- 9 May 2019: Open Viva-voce examination of Ms. Naseem Choudhary, Ph. D. Scholar, Department of English, Central University of Jammu & Ms. Anjum Tahir, Ph. D. Scholar, Department of English, Central University of Jammu
 - Prof. Monika Sethi, Head, Department of English, University of Jammu.

13. Seminars, Workshops and Conferences attended by the Faculty :

Theme of the Conferences/Seminars/ Workshops attended	Regional /National/ Inter-national	Dates	Organizer	Keynote Speaker/ Chaired/ Co-Chaired/ Resource Person	Title of the Talk/Paper Presented
Dr. Vandana Sharma					
1. FDP on Research Methodology	State	11 Feb.	Department of Higher Education, UT of J&K Govt. College for Education, Canal Road, Jammu	Resource Person	Conducted a session on " Writing an Effective Research Proposal"



2. "YAYAVAR : Jammu Literary Festival"	National	14 Dec. 2019	Department of English, Central University of Jammu	Keynote Speaker	"Literature Versus Twitterature : Literature in the Present Times"
3. Two-day International Conference on "Multiple Selves in Multiple Texts : Life Narratives in South Asia "	International	6-7 Nov. 2019	Department of English, Central University of Jammu	Paper Presenter	"Private vis-à-vis Public Self : Negotiating Literary Space Through Autobiographies"
4. Conference on "South Asian Literature as World Literature : Issues of Recognition, Reception and Resistance"	International	29 July 20 August 2019	International Comparative Literature Association at University of Macau, SAR China	Paper Presenter	"The Multivoiced South Asian Body in the World"
Dr. Neena Gupta Vij					
1. Conference	International	17 Feb. 2020	Expressions in Languages and Arts Foundation (ELA) and Department of English, National P.G. College, Lucknow	Paper Presenter	"The Intertextuality of the Postcolonial Response: Reading Common Metaphors of Oppression in Selected Poems"



2. Seminar on "Privatization in Education : Issues and Challenges	National	12-13 Jan. 2020	A.N.D. Teacher's Training College, Sitapur	Paper Presenter	"Repeating the Drona-Eklavya Deekshatha(u)m(b) before Deekshaar-ambh : Privatisation as Retreat into Elitist Exclusion"
3. Two-day International Conference on "Multiple Selves in Multiple Texts: Life Narratives in South Asia "	International	6-7 Nov. 2019	Department of English, Central University of Jammu	Paper Presenter	"(W)ri(t)ings from the Ashes : Reading Interrogating My Chandal Life as History from the Margins
4. Delivered a Talk	National	20 August 2019	Department of English and Modern European Languages, University of Lucknow	Resource Person	Talk on "Toni Morrison "
5. Seminar "Gandhi and Literature : Exploring the Ideological Fronts" a	National	19th August 2019	Department of English and Modern European Languages, University of Lucknow	Paper Presenter	"Gandhi and Thoreau : American Transcendentalism and the Indian National Movement"



6. Delivered a Talk in One Week Workshop cum FDP	State	22-28 July 2019	Government Degree College, Udhampur	Resource Person	“Personality and Communication Skills”
Dr. Raj Thakur					
1. Seven day Research Methodology Workshop		11-17 Dec. 2019	Centre for Culture, Media & Governance Jamia Milia Islamia, New Delhi, Supported by University Grants Commission Under Centre for Excellence in a particular Area (CPEPA), New Delhi	Attended	
2. Two-day International Conference on “Multiple Selves in Multiple Texts : Life Narratives in South Asia ”	International	6-7 Nov. 2019	Department of English, Central University of Jammu	Paper Presenter	“Sporting Lives: Interrogating Fields of Play through Sport Biopics- Sachin : A Billion Dreams and Paan Singh Tomar”



Dr. Raj Thakur as Resource Person : Interview Board Member for TGT English (Contractual, 6/3/20) , Kendriya Vidyalaya, Central University of Jammu, Rahya-Suchani, Bagla Jammu.

Dr. Parveen Kumari

1. Seminar on "Social Exclusion and Challenges of Inclusion in India : Need for Paradigm Shift"	National	17-18 Jan. 2020	Centre for Study of Social Exclusion and Inclusive Policy, University of Jammu, Jammu	Paper Presenter
2. Public Talk	University	27 Nov. 2019	Centre for Study of Social Exclusion and Inclusive Policy, University of Jammu, Jammu	Resource Person
3. Two-day International Conference on "Multiple Selves in Multiple Texts : Life Narratives in South Asia "	International	6-7 Nov. 2019	Department of English, Central University of Jammu	Paper Presenter



14. Faculty Publications :

Name of the Author (s) (Main Author then co-author)	Article/Research Paper/ Book Chapter/Any Other	Name of the Magazine/Journal/ Book	ISSN/ISBN No.	Year of Publication
Dr. Vandana Sharma				
1. Dr. Vandana Sharma	Book Published : Feminist Discourses in Indian Writings	Authors Press		ISBN: 978-93-89615-19-7
2. Dr. Vandana Sharma	Paper: "Nation as Third Space in Kamila Shamsie's Kartography"	Think India (Quarterly Journal) Vol. 22 Issue 4 2019 UGC Care Approved International Indexed and Refereed Journal		ISSN: 0971-1260
3. Dr. Vandana Sharma	Paper : "Hegemonic Historiography vis-a-vis Subversive Politics : A Comparative Study of Heroic Uprising in India and Africa"	Sahitya Vol. 8 Peer-reviewed Online Journal of Comparative Literature Association of India, UGC listed		ISSN: 2249-6416
Dr. Neena Gupta Vij				
1. Dr. Neena Gupta Vij and Raj Gaurav Verma	Book Published : Indiam Women Writings : An Introduction to Select Texts	Narindra Publishing House		ISBN: 978-93-87013-73-5



Dr. Mirza Ahmed Afzal Farooq				
1. Dr. Mirza Ahmed Afzal Farooq	Book Chapter : Chapter : "Resistance of the Subaltern in Bengali Literature : Fore grounding Bankim Chandra Chatterjee's Krishnakanta's Will" (pg. no.163-170)	Department of English, Manav Rachna University; Bharti Publication, New Delhi	Book Name : Resistance and Assimilation : Voices of the Subaltern	ISBN: 978-93-89657-20-3
2. Dr. Mirza Ahmed Afzal Farooq	Paper : "Social realism in Kitchen Sink Drama : John Osborne's Look Back in Anger Context" (pg no. 2465-2474)		Think India Journal Vol. 22 Issue 4	ISSN: 0971-1260
Dr. Raj Thakur				
1. Raj Thakur	"Terrorism as a Media Specific Event: Performative Frames of Uri & Pulwama Reportage in Indian News Media	Media Watch		ISSN: 0976-0911 (Print) E-ISSN: 2249-8818 (Electronic)



Dr. Parveen Kumari				
1. Dr. Parveen Kumari	Book Published : Distinctive Voices of Distress and Narratives of Sufferings : A Study of Dalit Women's Writings	Authors Press		ISBN: 978- 93-88859- 80-6
2. Dr. Parveen Kumari	Book Chapter : "Joothan : Dalit Narrative of Humiliation and Resistance" (pg. no. 209-225)	CSSEIP, University of Jammu, Authors Press	Social Exclusion and Marginal Communities : Challenges of Deprivation and Discrimination	ISBN: 978- 93-89615- 82-1
3. Dr. Parveen Kumari	Research Paper : "Viramma: Life of an untouchable : The Subaltern Speaks"		Researcher : A Multidisciplinary Journal, Refereed (Peer- Reviewed) Journal.	ISSN: 2278-9022



Department of Economics

1. About Department :

The Department of Economics is one of the three Departments with which the Central University of Jammu started functioning from September, 2011. The vision of the department is to produce economists of high caliber who are well equipped with both theoretical and applied areas of the discipline of Economic Science with emphasis on new and emerging areas of concern.

2. Eminent Lecture :

Lecture on Economic Issue

- A lecture on “Challenges for Economic Theory and Policy in the 21st Century” has been organised by the Department on 5th February, 2020. This lecture has been delivered by Prof. Pritam Singh, Emeritus Professor of Economics, Oxford Brookes University, UK.
- A lecture on “International Finance Past, Present and Future” has been organised by the Department on 26th November, 2019. This lecture has been delivered by Dr. Arif Billah Dar, Assistant Professor, Department of Economics, SMVDU.
- A Documentary titled “Harvest of Grief” has been screened for the students on 13th September, 2019.

3. Field Trips/Industrial Visit/Educational Visit :

- Different groups of students of Semester IV allotted to all faculty members for purpose of MA Dissertation went for their field survey during the month of April and May, 2019 for the collection of data.

4. Visit of Outside Experts :

- Prof Jasbir Singh , Professor, Department of Economics, University of Jammu visited the department on 7th June, 2019.
- Dr. Arif Billah Dar, Assistant Professor, Department of Economics, SMVDU visited the department on 26 November, 2019.
- Prof Pulin Nayak , Retd Professor, DSE, New Delhi visited the department on 27 November, 2019.
- Dr Shallu Sehgal, Sr. Assistant Professor, Department of Economics, University of Jammu visited Department of Economics on 5th December, 2019.
- Prof. Pritam Singh, Emeritus Professor of Economics, Oxford Brookes University, UK visited Department of Economics on 5th February, 2020.
- Prof. Neera Verma, Head, Department of Economics, Kurukshetra University as an expert for Ph.D viva voce visited Department of Economics on 6th February, 2020.

5. Innovation Programmes/Growth Programs/Other Programs :

- Some courses have been introduced.



- Game Theory
- Co-operative Development
- Environmental Economics
- Industrial Economics
- Financial Institutions and Markets

6. Orientation Programs Organized /Attended by Faculty Members :

- Dr Susanta Nag attended Refresher Course organized by IQAC, Central University of Jammu in collaboration with EDII, Gandhinagar, Gujarat under DST-NIMAT during 20-05-2019 to 10-06-2019.
- Dr. Shaveta Kohli attended Refresher Course on “Cooperative Policy and Development for Faculty of Indian Universities/ Colleges of India” conducted by NCCE from 26th 30th August, 2019 at New Delhi.

7. Any other relevant information :

- Dr. Shaveta Kohli delivered two lectures on “ Emerging India: Challenges and Opportunities & Youth Profile of India Issues and Concerns” during 3 Days Training Programme organized by Nehru Yuva Kendra Sangathan held on 24th September, 2019 at J&K Institute of Management , Public Administration & Rural Development, Sidhra, Jammu
- She delivered lecture on “Institutionalizing Credit in Agrarian Economy of India: Issues and Ways Forward” in Two Weeks National Workshop on Understanding Indian Politics and Economy in 21st Century held on 6th June, 2019 at Central University of Bathinda, Bathinda.

8. Participated in Workshop/Conference/Seminar :

Dr Susanta Nag

- i) Presented a paper titled “Intra-Regional Trade in South Asia: An Empirical Analysis” in 102nd Annual Conference of the Indian Economic Association held at AURO University, Surat from 27th to 29th Dec. 2019.
- ii) Presented a paper “Catastrophic Impact of Illness on Households in Odisha: An Econometric Analysis NSSO Data” in the 56th Annual Conference of The Indian Econometric Society organised by Madurai Kamaraj University, Madurai, 8-10th January 2020.

Ms. Preeti Gupta :

- (i) Attended AICTE training and learning (ATAL) sponsored workshop on Machine learning and Artificial Intelligence from 18 November to 22 November, 2019.
- (ii) Attended seven days FDP 'Advanced Techniques in Economics Research' organized by Department of Economics, Punjab University, from Jan 15- Jan 21, 2020.

Dr. Shaveta Kohli

- (i) Attended seven days FDP 'Advanced Techniques in Economics Research' organised by



Department of Economics, Punjab University, from Jan 15- Jan 21,2020.

Mr. Anil Kumar Bharti

- (i) Presented a paper titled “Intra-Regional Trade in South Asia: An Empirical Analysis” in 102nd Annual Conference of the Indian Economic Association held at AURO University, Surat from 27th to 29th Dec. 2019.
- (ii) Presented a paper titled “Access and Utilization of Banking Services among Rural Households: A Case Study of District Samba (J&K)” in 102nd Annual Conference of the Indian Economic Association held at AURO University, Surat from 27th to 29th Dec. 2019.

Mr. Rajesh Kumar

- (i) Presented a paper titled “Intra-Regional Trade in South Asia: An Empirical Analysis” in 102nd Annual Conference of the Indian Economic Association held at AURO University, Surat from 27th to 29th Dec. 2019.
- (ii) Presented a paper titled “Access and Utilization of Banking Services among Rural Households: A Case Study of District Samba (J&K)” in 102nd Annual Conference of the Indian Economic Association held at AURO University, Surat from 27th to 29th Dec. 2019.

9. Faculty Publications :

Dr. Shaveta Kohli

- (i) Paper published “The Economics of Gender Inequality in India” in edited Book titled Feminist Discourses in Indian Context: Assertion, Identity and Agency, Authors Press, New Delhi, 2019; pp 273-283

Mr Rajesh Kumar, Dr Susanta Nag and Mr. Anil Kumar Bharti joint publication

- (i) “Intra-Regional Trade in South Asia: An Empirical Analysis” in UGC CARE listed Think India Journal, ISSN: 0971-1260, Volume 22, Issue 26, page no: 225-243, December 2019.

10. Details of Research Projects

Ms. Preeti Gupta

- (i) Worked as a Consultant in the project titled “Illicit Liquor Trade” done by department of Social work in collaboration with J&K Excise and Taxation Department. The project report was successfully submitted on April, 2019.

Ms. Preeti Gupta and Mr Anil Kumar Bharti

- (i) Project Investigators for the study “Impact assessment of Jammu and Kashmir Schedule Castes, Schedule Tribes, Backward Classes Development Corporation”.



Department of Mass Communication and New Media

1. About the Department :

- The Department of Mass Communication and New Media of Central University of Jammu was established in March 2014.
- This was the first department in Jammu region, which offered full fledged Masters Programme in Mass Communication.
- Initially there were four faculty members in the department; all Assistant Professors.
- Later on Dr. Govind Singh joined the department in December 2016 as Professor and Dr. Dharmendra Singh joined in the year 2018 as Associate Professor.
- The master's programme had an intake of 30 students for initial two years and later on increased to 36 from year 2016.
- The department also started PhD programme in the year 2016 and currently six research scholars are enrolled.
- There are 250 books and 10 journals of mass communication in the central library.

2. Objectives :

- To establish the Department as a perfect blend of academic and professional repute.
- To introduce courses with employment opportunities and academic innovations.
- To provide specialized training to the students to choose their specific career path.
- To help students in their placements in various media and non media institutions.
- To bridge the gap between theories and practices of media so that the students are motivated to become critical and professional journalists.
- To train the students efficiently to tap the potential and scope of new media .

3. Major achievements during the year :

- Seven students got placed in ETV Bharat, Hyderabad.
- Two students cleared NET examination.
- Other students got placed in Early Times, Red FM, ZEE TV, MICA. Also few of them started their own Youtube channel and blogs.

4. International/National Seminars/Workshops/Other events :

- **Two-day Quark Xpress Workshop on 18-19 September, 2019**
A two-day Quark Xpress workshop was conducted by Photo typesetting expert Gagan Manhotra and Hem Raj from Amar Ujala, Jammu on 18-19 September, 2019.
- **Research Methodology Workshop**



The department organised a Research Methodology workshop on 7th February, 2020 in which the resource person was Prof. Pradeep Nair, Central University of Himachal Pradesh.

5. Eminent Lecture Series :

Name of the Speaker	Topic of Lecture	Date of Visit
Prof. Ashok Ogra, Former Director, Apeejay Institute of Mass Communication	Changing Media Landscape	29 th January, 2020

6. Extension Lecture

Name of the Speaker	Topic of Lecture	Date of Visit
Mr. Brijesh Kumar Singh, News Editor, Amar Ujala, Jammu.	Present State of Hindi Journalism	18 th September, 2019
Bavinder Vashishth, Resident Editor, Amar Ujala, Jammu.	Present State of Hindi Journalism	18 th September, 2019
Mr. Ashwini Kumar, President, Press Club, Jammu and Former Bureau Chief, Aaj Tak	Media Management of Electronic Media	19 th February 2020

7. Awareness Program Organised by Department:

- Students participated at university level programmes organised by NSS and other centres within university.

8. Details of field trips/ industrial visit/ educational visit

- Two students of the department Neha Rani and Vanshika Gupta visited Central University of Tamilnadu under Cultural Exchange Programme of Ek Bharat Shreshtha Bharat from 20th January 2020 to 26th January, 2020 and participated and won prizes in various events.



9. Seminars, Workshops and Conferences attended by the Faculty (2018-2019) :

Theme of the Conferences/Seminars/ Workshops Attended	Regional/ National/ International	Dates	Organiser	Title of the Talk/Paper Presented
Ms. Archana Kumari				
Two week Capacity Building Programme	National	22 nd - 4 th May 2019	Centre for Culture, Media & Governance, Jamia Millia Islamia University, New Delhi	Media and Communication Studies
5 th Journalism Education Congress on "Teaching Journalism during a Disruptive Age"	International	July 9 th -11 th , 2019	Paris-Dauphine University, Paris	Class divide in Journalism education : A study of selected Delhi based government and private journalism institutes

10. Faculty Publications :

Prof. Govind Singh

Name of the Author/ Authors	Article/ Research Paper /Book Chapter/ Any Other	Name of Publisher	Name of the Magazine/ Journal/Book	ISSN/ISBN No.	Year of Publication
Archana Kumari	Young People and the Future of News : Social Media and the Rise of Connective Journalism	Routledge	Mass Communication and Society	DOI : 10.1080/15205436.2019.1697566	2019



11. Details of Research Projects

Name of the Project Investigator	Title of the Research Project	Funding Agency	Tenure of the Project	Major Research Project/ Minor Research Project	Status	
					Ongoing	Date of Completion
Dr. Bachha Babu	Social Media Technology and Conflict Resolution : A Study in Kashmir Valley	ICSSR	2019-2021	Major Research Project	Ongoing	2021
Dr. Bachha Babu	Evaluation Study of the Units Financed by J&K SC, ST & BC Dev. Corporation	Jammu & Kashmir State SC, ST & BC Development Corporation Ltd. (J&K State Ltd.)	2019	Minor Research Project	Ongoing	2019



Department of Computer Science and Information Technology

1. About the Department :

The Department of Computer Science & IT under the aegis of School of Basic & Applied Sciences was established in the year 2012. Initially the Department started offering the M.Sc.(Computer Science) programme with an intake of 30 seats. Later, in the year 2013, the programme was renamed as Integrated M.Sc.(Computer Science)-MCA. Three batches of MCA have been successfully passed out till the year 2017. Keeping in view the research output, market scenario and industry requirements the Department started offering M.Tech (Computer Science & Technology) programme with an intake of 24 seats and discontinued the Integrated M.Sc.(Computer Science)-MCA programme from the session 2016-17. The M.Tech programme has been approved by AICTE from the session 2017-18. The Department is also offering Ph.D. research programme from the academic session 2016-17. The Department has a team of six highly qualified and experienced faculty members with varied field of research areas. The Department of Computer Science and Information Technology has successfully organized two International Conferences on the theme of “Recent Innovations in Computing” (ICRIC) in the year 2018 and 2019.

2. International, National Seminars/Workshops/Other Events held in Department :

- **AICTE (ATAL) 5-Days Faculty Development Programme (FDP)/workshop on the theme “Internet of Things” (October 14-18, 2019)**

A 5-Days Faculty Development Programme (FDP)/workshop on the theme “Internet of Things” was organized by Department of Computer Science and Information Technology, Central University of Jammu in collaboration with AICTE Training and Learning (ATAL) Academy, AICTE, New Delhi, Govt. of India. The FDP was inaugurated by the Chief Guest Prof. Ashok Aima, Hon'ble Vice Chancellor, Central University of Jammu on 14th October, 2019 in the University main campus. Around 54 participants from different institutions of the state and neighboring states participated in the workshop. The workshop concluded on 18th October, 2019.

- **AICTE (ATAL) 5-Days Faculty Development Programme (FDP)/workshop on the theme “Artificial Intelligence” (November 18-22, 2019)**



A 5-Days Faculty Development Programme (FDP)/workshop on the theme “Artificial Intelligence” was organized by Department of Computer Science and Information Technology, Central University of Jammu in collaboration with AICTE Training and Learning (ATAL) Academy, AICTE, New Delhi, Govt. of India. The FDP was inaugurated by the Chief Guest Prof. Ashok Aima, Hon'ble Vice Chancellor, Central University of Jammu on 18th November, 2019 in the University main campus. Around 57 participants from different institutions of the state and neighboring states participated in the workshop. The workshop concluded on 22nd November, 2019.

3. Eminent Lectures :

- a. Dr. Pradeep Kumar Singh, Assistant Professor (Senior Grade), JayPee University, Solan delivered Lecture on “Forest Fire Detection using IoT/WSN” dated 16-10-2019.
- b. Dr. Sudeep Tanwar, Associate Professor (Nirma University, Gujrat) delivered Lecture on “Blockchain-based security solutions for IoT Applications and Live demos on the LED glow” dated 18-10-2020.
- c. Dr. Baijnath Kaushik, Associate Professor (Shri Mata Vaishno Devi University, Katra) delivered Lecture on “Protocols and Implementation of internet of Vehicles (IoV)” 17-10-2020.
- d. Mr. Nitish Bhardwaj, Application Developer (Advanced Tech. India Pvt. Ltd. Chandigarh) delivered Lecture on “Interfacing Of Wi Fi to the Arduinos, Command Mode and Standalone mode of Node MCU dated 15-10-2019.
- e. Mr. Ankit Mohan, Embedded Design Engineer (Advanced Tech. India Pvt. Ltd. Chandigarh) delivered Lecture on “Introduction to Embedded System, Different Microcontrollers and their advantages” dated 14-10-2019.
- f. Dr. Partha Pratim Roy, Assistant Professor from IIT Roorkee, delivered Lecture on “AI and Machine Learning” dated 18-11-2019.
- g. Mr. Puneet Jindal, data Scientist & Founder Eduwaive Foundation, Chandigarh, India delivered Lecture on “Perceptron, Deep Neural Networks, deep learning optimization” dated 19-11-2019.
- h. Dr. Arun Sharma, Associate Professor DTU, delivered Lecture on “Soft Computing and Fuzzy Logic” dated 22-11-2019.



4. Awareness Program :

S. No.	Participant in IT Awareness Programme	No. of Participants	Dated	Year
1.	Govt. Higher Secondary School, Uttar Behani Samba	50	Feb. 03, 2020	2020

5. Visit of External Experts :

- Prof. Lalit Sen Sharma, University of Jammu, July 2018.
- Dr. Sudeep Tanwar, Nirma University, Ahmedabad, October 2019.
- Dr. Pradeep Kumar Singh, Jaypee University of Information Technology, Solan, October 2019.
- Dr. Baijnath Koushik, SMVDU Katra, October 2019.
- Mr. Nitish Bhardwaj, Application Developer, Advanced Tech. India Pvt. Ltd. Chandigarh, October 2019.
- Mr. Ankit Mohan, Embedded Design Engineer, Advanced Tech. India Pvt. Ltd. Chandigarh, October 2019.
- Dr. Partha Pratim Roy, Assistant Professor from IIT Roorkee, November 2019.
- Mr. Puneet Jindal, data Scientist & Founder Eduwaive Foundation, Chandigarh, November 2019.
- Dr. Arun Sharma, Associate Professor DTU, November 2019.

6. Faculty Achievements :

Dr. Yashwant Singh was appointed Visiting Professor of Jan Wyzykowski University, Polkowice Poland from 24-06-2019 to 08-07-2019 and he visited seven European Countries (Hungary, Slovakia, Austria, Czech Republic, Romania, Germany and Poland during this academic tour.



7. Seminars, Workshops and Conferences attended by the Faculty :

Dr. Yashwant Singh

Theme of the Conferences /Seminars/ Workshops Attended	Regional/ National/ International	Dates	Organiser	Keynote Speaker/Chaired /Co-Chaired/ Resource Person
International Conference on Computing, Communication and Cyber Security (IC4S-2019)	International Conference	12-13 October 2019	Jaypee University Information Technology, Wagnaghat,, INDIA	Session Chair
The Fourth IEEE International Conference on Image Information Processing, ICIP 2019	International Conference	November 15-17, 2019	Jaypee University of Information Technology, Wagnaghat, INDIA	Session Chair
International Conference on Futuristic trends in Network and Communication Technologies (FTNCT-2019)	International Conference	November, 22-23, 2019	Jaypee University of Information Technology, Wagnaghat, C-DAC Mohali INDIA	Session Chair
International Conference on Innovations on Computing (ICIC-2019)	International Conference	12-13 December 2019	CGC Landran Mohali	Session Chair



AICTE ATAL Workshop on "Internet of Things".	National	14-18 October 2019	Dept. of Computer Science & IT, Central University of Jammu and ATAL AICTE	Coordinator, resource Person
Role of ICT in Assessment and Evaluation	Regional	5-6 Feb. 2020	PMMMNTT CU, Jammu	Resource Person
Design Develop & deliver MOOC,	Regional	09 Jan. 2020	PMMMNTT CU, Jammu	Resource Person
International Conference on Computing Communication and Cyber Security	International Conference	12-13 Oct. 2019	Jaypee University of Information Technology, Wagnaghat, INDIA	Keynote Speaker
3rd International Conference on Innovations in Computing	International Conference	12-13 Dec. 2019	CGC Landran Mohali	Keynote Speaker



Dr. Bhavna Arora

Theme of the Conferences /Seminars/ Workshops Attended	Regional/ National/ International	Dates	Organiser	Keynote Speaker/Chaired /Co-Chaired/ Resource Person
International Conference FICR-TEAS 2020	International Conference	17-19 Jan. 2019	IIS University Jaipur	Session Chair
Internet of Things	One week Faculty Development Pogramme (FDP)	14-10-2019 -18-10-2019	AICTE (ATAL), Department of Computer Science & IT, Central University of Jammu	Attended
Artificial Intelligence	One Week Faculty Development Pogramme (FDP)	18-11-2019 -22-11-2019	AICTE (ATAL), Department of Computer Science & IT, Central University of Jammu	Attended
Two day National Seminar on "Assessment and Evaluation: Recent Trends and Challenges"	National Seminar	05-02-2020 -06-02-2020	School of Education in the Central University of Jammu	Session Chair



Cyber Crime	State	02-12-19	Sher-i-Kashmir Police Academy Udhampur	Resource Person
Cyber Crime	State	11-03-20	Sher-i-Kashmir Police Academy Udhampur	Resource Person
E-learning: Tools for Teaching and Learning	State (FDP)	01-06-20 to 03-06-20	MAM College, Jammu	Resource Person
Webinar series on 'Outcome Based Education	National Level (FDP)	22-06-20 to 26-06-20	Directorate of Academics, Manipal University Jaipur	Resource Person

Dr. Arvind Kumar Selwal

Theme of the Conferences /Seminars/ Workshops Attended	Regional/ National/ International	Dates	Organiser	Keynote Speaker/Chaired /Co-Chaired/ Resource Person
Deep Learning	One Week Faculty Development Programme(FDP)	22-08-2019 - 26-08-2019	IIT Roorkee	Participated
AI and Machine Learning	One Week Faculty Development Programme(FDP)	23-12-2019 - 27-12-2019	IIT Roorkee	Participated



Artificial Intelligence	One Week Faculty Development Programme(FDP)	18-11 - 2019 - 22-11-2019	AICTE (ATAL), Department of Computer Science & IT, Central University of Jammu,	Participated
Internet of Things	One week Faculty Development Programme (FDP)	14-10-2019 - 18-10-2019	AICTE (ATAL), Department of Computer Science & IT, Central University of Jammu	Attended
Emerging Trends on Machine Learning	FDP Sponsored by TEQIP Phase III of World Bank	24-01-2020	Guru Jambheshwar University of Science and Technology, Hisar, Haryana	Resource Person
Applications of Deep Learning and Machine Learning using Python	One week FDP	09-01 -2020	SMVD, Katra and EICT, IIT Roorkee	Keynote Speaker



Dr. Deepti Malhotra

Theme of the Conferences /Seminars/ Workshops Attended	Regional/ National/ International	Dates	Organiser	Keynote Speaker/Chaired /Co-Chaired/ Resource Person
Two day National Seminar on "Assessment and Evaluation: Recent Trends and Challenges"	National Seminar	05-02-2020 to 06-02-2020	School of Education in the Central University of Jammu	Resource Person
Artificial Intelligence	One Week Faculty Development Programme(FDP)	18-11-2019 to 22-11-2019	AICTE (ATAL), Department of Computer Science & IT, Central University of Jammu	Coordinated
Internet of Things	One week Faculty Development Programme (FDP)	14-10-2019 - 18-10-2019	AICTE (ATAL), Department of Computer Science & IT, Central University of Jammu	Attended



Mr. Neerendra Kumar

Theme of the Conferences /Seminars/ Workshops Attended	Regional/ National/ International	Dates	Organiser	Keynote Speaker/Chaired /Co-Chaired/ Resource Person
AICTE ATAL Workshop on "Internet of Things".	National	14-18 October 2019	Dept. of Computer Science & IT, Central University of Jammu, and ATAL AICTEa	Participant
AICTE ATAL Workshop on "Artificial Intelligence"	National	18-22 November 2019	Dept. of Computer Science & IT, Central University of Jammu, and ATAL AICTEa	Participant



8. Faculty Publications

Prof. Devanand

Name of the Author(s) (Main Author then co-author)	Article/Research paper/Book Chapter/Any Other	Name of Publisher	Name of the Magazine/ Journal/ Book	ISSN/ISBN. No.	Year of Publication
Neha Verma, Devanand, Bhavna Arora	Experimental Analysis of Recommendation System in e-Commerce	BEIESP (Scopus Journal) Journal	International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278-3075	2019
Neha Verma Devanand, Bhavna Arora	User-Item Recommendation System (UIRS) Using Collaborative Filtering	SERC	International Journal of Advanced Science And Technology	ISSN: 2005 - 4238	2019



Dr. Yashwant Singh

Name of the Author (s) (Main Author then co-author)	Article/ Research Paper/ Book Chapter/ Any Other	Name of Publisher	Name of the Magazine/ Journal /Book	ISSN/ ISBN. No.	Year of Publication
Archana Sharma, Yashwant Singh	On Security of Opportunistic Routing Protocol in Wireless Sensor Networks	LNEE Springer Nature Switzerland	Proceedings of ICRIC-2019	ISBN: 978-3-030-29406 -9	2019
Nagesh Kumar, Yashwant Singh	An Energy Efficient and Reliable Opportunistic Routing for Wireless Sensor Networks	Bentham Science	International Journal of Sensors, Wireless Communications and Control	Volume 10, Issue 1, 2020 DOI : 10.2174/21032791099900503033802	2020
Deep Kumar Bangotra, Yashwant Singh, Arvind Selwal	An Intelligent Opportunistic Routing Protocol for Big Data in WSNs	IGI Global	International Journal of Multimedia Data Engineering and Management (IJMDEM)	Vol.11(1), 2020 DOI: 10.4018/IJMDEM.2020010102	2020
Vandana Mohindru, Yashwant Singh, Ravindara Bhatt	Reauthentication Scheme for Mobile Wireless Sensor Networks	Elsevier	Sustainable Computing, Informatics and Systems	Vol 23, 2019, pp 158 -166.	2019



Vandana Mohindru, Yashwant Singh, Ravindara Bhatt	Hybrid Cryptography Algorithm for Securing Wireless Sensor Networks from Node Clone Attack	Bentham Science	Recent Advances in Electrical & Electronic Engineering	Vol 13, 20 20, pp251 -259, DOI: 10.2174/23520651266619021125026	2019
Vandana Mohindru, Yashwant Singh, Ravindara Bhatt	Securing Wireless Sensor Networks From Node Clone Attack: A Lightweight Message Authentication algorithm	Inder Science Publishers	International Journal of Information and Computer Security(IJICS),	Vol 12 No 2/3. 2020, DOI: 10.1504/IJICS.2019.10017217.	2020
Yashwant Singh, Jahangir Ahmad Lone, Zdzislaw Polkowski, Jayneel Vora, Sudeep Tanwar, Sudhanshu Tyagi, Pradeep Kumar Singh	Deployment and Coverage in Wireless Sensor Networks: A Perspective	IEEE	ECAI 2019 - International Conference – 11th Edition Electronics, Computers and Artificial Intelligence	27 June -29 June,2019, Pitesti, ROMANIA, pp -6, 2019	2019



Zdzislaw Polkowski, Jayneel Vora, Sudeep Tanwar, Sudhanshu Tyagi, Pradeep Kumar Singh, Yashwant Singh	Machine Learning -based Software Effort Estimation : An Analysis	IEEE	ECAI 2019 International Conference- 11th Edition Electronics, Computers and Artificial Intelligence	27 June-29 June, 2019 , Pitesti, ROMANIA, pp 1-6, 2019.	2019
Vandana Mohindru, Utkarsh Chitranshi, Ravindara Bhatt, Yashwant Singh	Possibilities of Block Chain in Indian Market and Notably In Advertising Industry	IEEE	5 th IEEE International Conference Signal Processing, Computing And Control (ISPCC 2019)	Oct. 10-12, 2019, JUIT, Solan, India. Pp 84-89	2019



Dr. Bhavna Arora

Name of the Author (s) (Main Author then co-author)	Article/ Research Paper/Book Chapter/Any Other	Name of Publisher	Name of the Magazine/Journal /Book	ISSN/ ISBN. No.	Year of Publication
Shivangi Dutta and Bhavna Arora	Pre-processing for Parts of Speech (POS) Tagging in Dogri Language	Blue Eyes Intelligence Engineering & Sciences Publication	International Journal of Innovative Technology and Exploring Engineering	2278-3075	2019
Sourav Thakial and Bhavna Arora	Evaluation and Comparison of Job Prediction Model	SERC	International Journal of Advanced Science and Technology	ISSN: 2005 - 4238	2019
Neha Verma, Devanand, Bhavna Arora	User-Item Recommendation System (UIRS) Using Collaborative Filtering	SERC	International Journal of Advanced Science and Technology	ISSN: 2005 - 4238	2019
Sourav Thakial and Bhavna Arora	Neutral Network based Prediction Model for Job Applicants	American Scientific Publishers	Journal of Computational and Theoretical Nanoscience	ISSN 1546-1955	2019
Neha Verma, Devanand, Bhavna Arora	Experimental Analysis of Recommendation System in e-Commerce	BEIESP (Scopus Journal)	International Journal of Innovative Technology and Exploring Engineering	ISSN: 2278 - 3075	2019
Sonam Gandotra and Bhavna Arora	Automated Stop-Word List Generation for Dogri Corpus	SERC	International Journal of Advanced Science and Technology	ISSN: 2005 - 4238	2019



Dr. Arvind Selwal

Name of the Author(s) (Main Author then co-author)	Article/ Research Paper/Book Chapter/Any Other	Name of Publisher	Name of the Magazine/ Journal/ Book	ISSN/ ISBN No.	Year of Publication
Reza Mehmood and Arvind Selwal	Polynomial Based Fuzzy Vault Technique for Template Security in Fingerprint Biometrics	CCIS, Zarqa University Jordan	The International Arab Journal of Information Technology (Indexed in SCI, Scopus) Impact Factor=0.742	ISSN:23 09-4524 (Online)	2020
Nadish Ayub and Arvind Selwal	An improved image steganography technique using edge based data hiding in DCT domain	Taylor and Francis	Journal of Interdisciplinary Mathematics (Indexed in Scopus and ESCI)	Online ISSN: 2169-012X	2020
Deep Kumar Bangotra, Yashwant Singh, Arvind Selwal	An Intelligent Opportunistic Routing Protocol for Big Data in WSNs	IGI	International Journal of Multimedia Data Engineering and Management	Vol.11 (1), 2020 DOI: 10.4 018/IJ MD EM. 2020010102	2020
Annu Sharma, Shwetank Arya, Praveena Chaturvedi, Arvind Selwal	Multispectral Image Fusion System Based on Wavelet Transformation for Secure Human Recognition	SERC	International Journal of Advanced Science and Technology (Indexed in Scopus)	ISSN: 22 07-6360 (Online)	2019



Reza Mehmood, Arvind Selwal	Fingerprint Biometric Template Security Schemes : Attacks and Countermeasures	Springer	Proceedings of ICRC 2019. Lecture Notes in Electrical Engineering, vol 597, pp 455-467	eBook ISBN: 978-3-030-29407-6	2020
Shehla Rafiq, Arvind Selwal	Template Security in Iris Recognition Systems : Research Challenges and Opportunities	Springer	Proceedings of ICRC 2019. Lecture Notes in Electrical Engineering, vol 597, pp 771	eBook ISBN: 978-3-030-29407-6	2020

Dr. Deepti Malhotra

Name of the Author (s) (Main Author then co-author)	Article/ Research Paper/ Book Chapter/Any Other	Name of Publisher	Name of the Magazine/Journal/ Book	ISSN/ ISBN No.	Year of Publication
Jagbir Kaur, Deepti Malhotra	Analysis of Various Virtual Machine Migration Techniques in Cloud Computing	CS Journals	International Journal of Research in Electronics and Computer Engineering (IJRECE)	ISSN:23 48-2281	2019

**Mr. Neerendra Kumar**

Name of the Author (s) (Main Author then co- author)	Article/ Research Paper/ Book Chapter/Any Other	Name of Publisher	Name of the Magazine/Journal/ Book	ISSN/ ISBN No.	Year of Publication
F. Kossier and N. Kumar	Robot Navigation and Path Planning Techniques Challenges : A Review	CS Journals	International Journal of Electronics Engineering	ISSN: 0973-7383	2019
S. M. Nasti, Z. Vámosy, and N. Kumar	Obstacle avoidance during robot navigation in dynamic Environment using fuzzy controller	Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)	International Journal of Recent Technology and Engineering	ISSN: 2277-3878	2019
Yatish Bathla, Chaman Verma, and Neerendra Kumar	Smart Approach for Real-Time Gender Prediction of European School's Principal Using Machine Learning	LNEE Springer Nature Switzerland	Proceedings of ICRIC-2019	ISBN: 978-3-030-29407-6	2020
Yash Paul and Neerendra Kumar	A Comparative Study of Famous Classification Techniques and Data Mining Tools	LNEE Springer Nature Switzerland	Proceedings of ICRIC-2019	ISBN: 978-3-030-29407-6	2020



9. Details of Research Projects

S. No.	Title of the Project	PI	Sponsoring Agency	Amount	Duration
1.	Development of Vulnerability Analysis Framework and Test Bed for IoT and Embedded Devices	Dr.Yashwant Singh	DRDO New Delhi	Rs. 46.322 Lakhs	2019-22
2.	Development of Text and Speech Corpora for Regional Languages	Dr. Bhavna Arora	DRDO New Delhi (KCST)	Rs. 80.16 Lakhs	2020-23
3.	Development and Analysis of a light weight cryptography for sensor nodes and IoT	Dr. Arvind K. Selwal	DRDO New Delhi (KCST)	Rs. 44.16 Lakhs	2020-23

10. Details of Students Achievements :

Statement showing details of JRF/NET/SET students across the Departments :

S. No.	Name	Class	Batch	Exam Qualified/Achievements
1.	Zakir Ahmad Sheikh	M.Tech.	2018-20	GATE 2020, Roll No.CS20S63056042
2.	Numrena Farooq	M.Tech.	2018-20	GATE 2020, Roll No.CS19S33023117



Department of Tourism and Travel Management

1. About the Department

The Department of Tourism and Travel Management (DTTM) aspires to evolve as a 'Centre of Excellence' education, research and policy development. With the wide network of employment partners, DTTM has been ensuring excellent placement since 2014. Students are exposed to summer internship, On the Job Training, Tourism Immersion and Leadership Development Camp, mentorship programmes, skill development modules and personality grooming sessions, designed to maximize success in the job market.

2. International, National Seminars/ Other event held in Department

Department of Tourism and Travel Management, Central University of Jammu organized "TRAVELISM-2019" (26th -27th September 2019)

Department of Tourism and Travel Management, Central University of Jammu organises "TRAVELISM-2019" by organizing various events like Quiz Competition/Poster Making/Skit/Cultural Dance/Ethnic Walk Competition etc. The inaugural function of Travelism -2019 was graced by Key Note Speaker- Mr. Amit Sharma (KAS), Special Secretary, Summer Secretariat at Jammu and Director, Food, Civil Supplies & Consumer Affairs, Jammu who spoke on the topic- "Tourism and Jobs-A better future for all".

DTTM, CUJ conducted One Day Symposium-Inter Disciplinary Interface in Tourism on Day Two of TRAVELISM 2019.

The Keynote address on the topic "Tourism and Jobs A better Future for all" was delivered by Captain Anil Gour, MD Master Tour and Travel, former IATO Chairman J & K Chapter. The speaker enlightened the audience on the rising importance of tourism in the country in which at least ten people can get employed, directly or indirectly; in any new tourism venture. The importance of having a Passion for ones work & being Optimistic always was explained to the students. He also stressed upon the importance of being an active listener & effective time utilization along with learning to appreciate others for their work. The speaker also pointed out the one should be prepared always as Opportunity may come knocking any time.

Mr. Deepak Anand, Manager, Spice Jet, Jammu who was the next speaker spoke on "Skill Sets for the professional - Opportunities in Aviation Sector." Various necessary skills being looked for in the candidates by the Aviation sector was elaborated upon by him.

Dr. Pankaj Mehta, Assistant Professor, Department of Environmental Science spoke on Tourism and Waste Management Employment Opportunities and Challenges. Followed by this, the next speaker Dr. Murugesan from Centre of Comparative Religion, CUJ spoke on the topic Religious Monuments and



Cultural Tourism. The most important pilgrim places in India were deeply discussed by the speaker.

Prof. Govind Singh from the Department of Mass Communication and New Media spoke on the topic Media and Tourism: Employment Opportunities which was followed by cultural events by the students of Central University. Mr. Parambir Singh, Chitkara University conducted the eye-catching Hands on Workshop on “Flower Decor and Towel Décor” which was appreciated by all.

Alumuni & Entrepreneur from DTTM- Mr.Ashish Manhas, Vice President, Alumni Association, CUJ & Mr.Nipun Sharma, Director, Buzzbee360 spoke on their wonderful journey in DTTM.

Later the Honourable Vice Chancellor, CUJ Prof. Ashok Aima addressed the gathering & also distributed the Prizes to the winners of various events of TRAVELISM 2019. Other dignitaries who were present during the Valedictory Ceremony were Prof. Devanand, Prof. Bahu, Prof. Jaya Bhasin, Dr. Poonam Sharma, Dr. Anju Thapa, Dr. Pankaj Mehta, Mrs.Archana, Mr. Manish, Dr. Doddi, Dr. Bachha Babu, Dr. Shahid Mushtaq from Central University of Jammu. The formal vote of thanks was presented by Mr.Manjeet Singh, Assistant Professor, Department of Tourism and Travel Management, Central University of Jammu.Mr. Ranjeet K.Raman and Mr. Rahul Thakur, Assistant Professor, Department of Tourism and Travel Management, Central University of Jammu celebrated world tourism day with students of MBA-3rd Semester at Manali by successfully organizing Leadership Development Camp.

5th Edition of Tourism Immersion and Leadership Development Programme (TILDP) organized at KULLU (20-09-2019 to 27 -09- 2019).

Tourism Immersion & Leadership Development Programme (TILDP) is a unique initiative of Department of Tourism & Travel Management (DTTM), Central University of Jammu instituted with an objective to sensitize the budding tourism professionals towards the ground level reality of tourism and practicum that attempt to connect classroom learning with real time environment. It not only provides grassroot level knowledge to the students but also help them develop their wisdom to take balanced decisions in their professional career.

The Department of Tourism & Travel Management (DTTM), Central University of Jammu (CUJ) believes in the importance of giving its students extensive practical exposure alongside invaluable academic know-how to ensure holistic development. Engagement with field practice forms an integral component of MBA (Tourism & Travel Management) curriculum. Tourism Immersion & Leadership Development Programme (TILDP) is meticulously crafted, starting with ground level practicum that attempt to connect classroom learning with practical situations, followed by field immersion where students spend one week in the field, often living with the destination communities and gaining ground experiences. These learning's are then brought back to the classroom in the form of Small Practicum Project (SPP) and presentations to have collaborative learning within the classrooms.



.3. Academic Achievements

1. Dr. Amit Gangotia was given prestigious “Trigarth Paryatan Shikshak Award -2019” in the category of Tourism teachers working -outside the state on the eve Tourism week celebrations titled “Tourizmo Trigarth Carnival 2019”. The award was given by Government Degree College, Dharamshala, Himachal Pradesh on 25th September by Chief guest for the Occasion is Honourable Vice Chancellor of Central University of Himachal Pradesh, Prof. Kuldeep Agnihotri.
2. Dr. Amit Gangotia was invited as Motivational Speaker/Key Note Speaker to deliver a talk on Importance of Positivity and Soft Skills in Service Industry on 21st September, 2019 on the event of tourism week celebrations titled "Tourizmo Trigarth carnival 2019" organised by Government Degree College, Dharamshala, Himachal Pradesh.
3. Dr. Amit Gangotia was invited as Subject Expert, Board of Studies of School of Hotel Management and Tourism at Lovely Professional University, Punjab on 27/07/2019.
4. Dr. Amit Gangotia was invited as Resource person during the National Seminar on “Tourism and Jobs-A Better Future for All” organised by Himachal Pradesh Technical University, Department of Tourism and Hospitality Management during Tourism Fest-2019.
5. Dr. Amit Gangotia was invited as Session Chair during the International Conference organised by Faculty of Business and Arts ,School of Hotel Management & Tourism, Lovely Professional University, Punjab on “Sustainable Developmental Goals and Management Practices in Tourism and Hospitality Industry” 2019, 1-2 November 2019.
6. Dr. Amit Gangotia was invited as Advisor during the National Seminar on Business Sustainability and Society (NSBSS-2019) by Government Degree College, Jawali, Himachal Pradesh on Oct, 19, 2019.
7. Aruditya Jasrotia, Research Scholar, Department of Tourism and Travel Management, Central University of Jammu
 - Presented a paper titled 'Understanding the Perception of Residents of Smart City towards the Dimensions of Smart Tourism Destination' in the “Global Conference Smart Tourism” Çanakkale Onsekiz Mart University, Çanakkale, Turkey. On 13-16 November 2019.
 - Published a chapter titled 'Bringing Smartness into a Tourism Destination: A Perspective of Local Residents of Dharamshala' (ISBN: 978-93-88825-07-8) in the book Tourism Dynamics: Modern Perspectives & Trends.
 - Published an abstract titled 'Understanding the Perception of Residents of Smart City Towards the Dimensions of Smart Tourism Destination' in the conference proceedings book (e-ISBN: 978-605-4222-79-7) of Global Congress on Smart Tourism 2019.
8. Asma Bashir received her PhD notification dated 6th February 2020 on her research topic “Cultural Constructs and Creativity for Tourism Development: A Case Study of J&K State”. She did her PhD under the supervision of Dr. Bharti Gupta and Dr. Zubair Ahmed Dada.
9. Parul Jasrotia received her PhD notification dated 18th March 2020 on her research topic



- “Volunteer Tourism through Spirituality- an Experiential Learning towards Community Development”. She did her PhD under the supervision of Dr. Bharti Gupta.
10. Swati Samnotra received her PhD notification dated 18th March 2020 on her research topic “Peace through Tourism Exploring the Erratic Relationship”. She did her PhD under the supervision of Dr. Bharti Gupta.
 11. Administrative approval was received in February to conduct the course namely “Skill Based Creative Tourism Development for Revitalizing the Identities of Local Community” under the programme Global Initiative of Academic Network (GIAN) of MHRD to be conducted from 8th to 14th June 2020. However, the same has been postponed due to the Pandemic situation till the further notification by MHRD. Prof. Flavia Star from University of Macerata, Italy is the Guest faculty to deliver lectures in the said course along with Dr. Bharti Gupta who is the course coordinator.
 12. Ranjeet Kumar Raman, Assistant Professor of the Department successfully defended his Ph.D thesis titled "Effect of Destination Image and Destination Service Quality on Tourist Behaviour : The Case of Buddhist Circuit in India" on 16th March 2020 and earned his Doctoral degree in Tourism Management from prestigious Kurukshetra University, Kurukshetra (India).



Department of Hindi and Other Indian Languages

1. About the Department

Department of Hindi and other Indian Languages was established in August 2015. Departments emphasis on Hindi language. Department running Two Years PG Programme in Hindi.

2. Seminars/Workshops/Other events held in Department

- Organized 'KAVI SAMMELAN' on 30th January 2020 on the occasion of 'Basant Panchami'

3. Extension Lecture series held in Department

Sr. No.	Resource Person	Topic	Date and Year
1.	Prof. Sudhakar Singh	Kabir ki Prasangikta	05-04-2019
2.	Prof. Suresh Rituparn	Premchand Jayanti	01-08-2019
3.	Prof. Kamlanand Jha	Sahitya Cinema aur Samaj	27-09-2019
4.	Prof. Baldev Bhai Sharma	Media mein Hindi ki Bhoomika	17-02-2020

4. Details of Orientation Programs Organized/Attended by faculty members

Sr. No.	Name	Organized by	Date
1.	Dr Vinay Kumar Shukla	University of Jammu	26 Nov. 2019 to 17 Dec. 2019

5. Seminars, Workshops and Conferences attended by the Faculty (2019-2020)

Name of the Faculty	Seminars/ Workshops	Organization	Topic
Dr. Vandana Sharma	Department of Hindi, University of Jammu	29-31 July, 2019	Hindi ka Vaishvik Paridrishaya



Dr Vinay Kumar Shukla	Kendriya Hindi Nideshalaya, Delhi	22-23 July, 2019	Bhasha
Dr. Ratnesh Kumar Yadav	Department of Hindi, University of Jammu	29-31 July, 2019	Vaishvik Sandarbh Mein Hindi

6. Awareness Program

MARCH, 2019 at Chandigarh, PUNJAB UNIVERSITY.



Department of Physics and Astronomical Sciences

1. About Department

The Department of Physics and Astronomical Sciences, CU Jammu was established in the year 2016 with introducing a five-year Integrated Masters in Science (Physics) program with a sanctioned strength of 45 students. A panel of national experts framed the initial structure of the Int. M.Sc. Program. The aim of the program was on the emphasis to strengthening core-competence in Physics, while allowing the students to gain exposure to various other fields from sciences and humanities, thus giving a meaning to the integrated Masters title of the program.

The PhD program in Physics has been started from 2018. The research interests of the faculty members cover broad range of topics: Condensed Matter Physics, Lasers and Photonics, Nuclear Theoretical Physics, Statistical Physics, and Material Science.

2. Workshop/Seminar Organization

Department of Physics and Astronomical Sciences has organized National Science day-2020 with the collaboration of other Science departments on Feb 28, 2020. The theme of the event was "Women in Science".

3. Eminent Lecture Series

- On Nov 21, 2019, Under Popular lecture series, Department of Physics and Astronomical Sciences, Central University of Jammu organized a lecture on the topic "Plasma Jet Based Additive Manufacturing Technology for Industry 4.0". This lecture was delivered by Dr. Ram Prasad Gandhiraman, Founder & CEO, Space Foundry Inc. USA.

4. Seminars, Workshops and Conferences attended by the Faculty :

- Dr. Vinay Kumar, Associate Professor and Head, has attended the Project monitoring meeting at Indian national Science Academy (INSA) , New Delhi on May 14-15, 2019 organized by Department of Science and Technology, Govt of India.
- Dr. Amit Tomar delivered an invited talk in an International Conference on Electron Microscope and Allied Analytical Techniques at H.P. University, Shimla held during 7th to 9th June 2019 on topic "Next generation soft materials for sensor technology".
- Dr. Suram Singh delivered an invited talk on "Microscopic study of the nuclear structure properties of cadmium nuclei" in 3rd International Conference on "Modern Mathematical Methods and High Performance Computing in Science & Technology (M3HPCST)" organized by Inderprastha Engineering College, Ghaziabad, India on Jan 9-11, 2020.
- Dr. Suram Singh presented a research paper entitled "Quasiparticle structure of some odd mass Palladium isotopes" in DAE Symposium on Nucl. Phys. held at Lucknow University, Lucknow, U.P. on 23-27 Dec., 2019.
- Dr. Suram Singh presented a research paper entitled "Theoretical study of nuclear structure properties of some odd-mass Pd isotopes" in 24th International Conference of International Academy of Physical Sciences(CONIAPS-XXIN) on Innovations in Physical Sciences held at Chaudhary Charan Singh University, Meerut (U.P.), India from 9-11 Aug. 2019.



- Dr. Avinash C Yadav has delivered an invited Talk at Dynamic Day -XIII, IIT Delhi, 2019 .

5. Faculty Publications

Year	Publication(s)
2020	A.K. Bedyal, A.K. Kunti, Samvit G. Menon, Vinay Kumar , H.C. Swart Red emitting non-rare earth doped LiMgBO ₃ phosphor for light emitting diodes, Journal of Alloys and Compounds 830 (2020) 154622
2020	Pankaj Biswas, Vinay Kumar, Kamni, The structural and spectral study of LiSrVO ₄ :Tb ³⁺ phosphor for UV-shifted imaging devices 2020, Materials Today: Proceedings, Volume 28, Part 2, 2020, Pages 1018-1023
2019	A. K. Bedyal, D. D. Ramteke, Vinay Kumar, H. C. Swart, Excitation wavelength and Eu ³⁺ /Tb ³⁺ content ratio dependent tunable photo luminescence from NaSrBO ₃ :Eu ³⁺ /Tb ³⁺ phosphor, Journal of Materials Science: Materials in Electronics (2019) 30:11714–11726
2019	Rubby Mahajan, Sandeep Kumar, Ram Prakash, Vinay Kumar, R.J. Choudhary, D.M. Phase X-ray photoemission and spectral investigations of Dy ³⁺ activated magnesium pyrophosphate phosphors, Journal of Alloys and Compounds 777 (2019) 562-571
2019	Sumara Khursheed, Pankaj Biswas, Vivek K. Singh, Vinay Kumar, H.C. Swart, Jitendra Sharma, Synthesis and optical studies of KCaVO ₄ :Sm ³⁺ /PMMA nanocomposites, Vacuum 159 (2019) 414–422
2020	Ridham Bakshi, Surbhi Gupta, Suram Singh, Arun Bharti , G H Bhat and J A Sheikh, Phenomenological description of non-axial shapes of some doubly even neutron deficient barium isotopes J. Phys. G: Nucl. Part. Phys. 47, 075103 (2020)
2020	Preeti Verma, Suram Singh*, Arun Bharti and S. K. Khosa, Microscopic study of ground state bands in N=45 and 46 isotones in mass region A~70-80, J. Phys. G: Nucl. Part. Phys. 47, 045114 (2020)
2019	Suram Singh, Surbhi Gupta, Arun Gupta, Amit Kumar, Arun Bharti, G.H. Bhat, and J.A. Sheikh, Microscopic insight into the quasi-particle structure of odd-mass terbium isotopes, Chinese Journal of Physics, Vol. 62, 240–251 (2019)
2019	Preeti Verma, Suram Singh*, Arun Bharti and S. K. Khosa, Microscopic insight into low level systematics and negative-parity Yrast bands in odd -mass 111-127Cd, Eur. Phys. J. Plus 134: 520 (2019)



Year	Publication(s)
2019	Preeti Verma, Suram Singh*, Arun Bharti, S.K. Khosa, G.H. Bhat and J.A. Sheikh, Microscopic insight into the nuclear structure properties of odd-mass 101–109Cd isotopes, Nuclear Physics A 986, 245-259 (2019)
2020	Ridham Bakshi, Surbhi Gupta, Simi Gupta, Suram Singh and Arun Bharti, Quasi-Particle Structure of even-even Cerium isotopes in a self consistent approach, AIP Conference Proceedings 2220, 130020 (2020).
2019	Arun Gupta, Amit Kumar, Surbhi Gupta, Suram Singh, and Arun Bharti, Study of Yrast Structure of odd-odd 94Nb Nucleus, AIP Conference Proceedings 2220, 130035 (2020).
2019	Poonam Pahuja, Amit Tomar, R.P.Tandon , Influence of Addition of Nanoparticles of Magnetic Phase on Structural, Microstructural and Dielectric Properties of Multiferoic Composites, Integrated Ferroelectrics, 203:1, 156-163(2019).
2020	Amit Tomar, Meetesh, Suram, Lokesh, Sandeep, Sanyogita, Ultraviolet Quantum Cutting through down Conversion Luminescence Behaviour of Er ³⁺ Substituted Sr _{0.7} Bi _{2.2} Nb ₂ O ₉ (BLFS) Ceramics, Integrated Ferroelectric, 204: 1, 33-37(2020).
2020	Jyoti, Sandeep, Anoop, Sonali, Asha, Bikram, Amit Tomar, Template Based Electrochemical Synthesis of Copper(Cu) Nanowires as CH ₂ Cl ₂ Sensor, Integrated Ferroelectric, 204:1, 63-72(2020).

6. Details of Research Projects :

Dr. Vinay Kumar

- A research project entitled “ High Temperature Thermal Sensing Using Nanophosphors” of Rs 108.13 lakh sanctioned by DRDO for three years ; ongoing. (PI)
- A research project entitled “Fabrication of TiO₂ decorated ZnO Nanorods /Conducting Polymer heterojunctions for Flexible Photovoltaic applications” of Rs 53.41 lakh sanctioned by DRDO for three years ; ongoing. (Co-PI).

Dr. Suram Singh

- A research project entitled “Theoretical study of quasi-particle structure of some non- magic nuclei in the mass region A = 100-150” of Rs. 10 lakh sanctioned by UGC (No. F.30-412/2018(BSR)) under UGC Start Up grant.(2019-2021)

Jehova Jire L.Hmar

- A research project entitled “Fabrication of Inorganic Semiconductor Decorated Doped or Undoped ZnO Nanowires / Conducting Polymer Heterojunctions for Flexible Electronic and



Optoelectronic Applications” of Rs 10 lakh sanctioned by UGC-BSR for two years ; completed.

- A research project entitled “Fabrication of TiO₂ decorated ZnO Nanorods /Conducting Polymer heterojunctions for Flexible Photovoltaic applications” of Rs 53.41 lakh sanctioned by DRDO for three years; ongoing.

Dr. Avinash C. Yadav

- Neuronal system exhibiting criticality at different organizational level: origin and implications, ECR/2017/001702; SERB, India Rs.-54.68 lakh; Ongoing, Nov 2018-Oct 2021.
- Extent of memory less nonlinear response as a mechanism for the 1/f noise, UGC-BSR Research Start-Up-Grant No. F.30-352/2017(BSR); Rs.-10 lakh, Completed, Dec 2017-Nov 2019.



Department of Marketing and Supply Chain Management

1. ABOUT THE DEPARTMENT

The Department of Marketing and Supply Chain Management started functioning on July, 2016 with a vision to produce MBA graduates who would become 'pillars of the nation, whether in private or public sector' by translating theoretical concepts into workable instances of real world. The Department envisages expanding the scope of its vision to become the most comprehensive source of domain specific business knowledge in the country & the world. Prime objective of the department is to make the students industry ready. Application based teaching methodologies encompassing case studies, simulations, neuro- linguistic programming (NLP) workshops, role plays, guest lectures and industry outreach programmes opted by our eminent faculty prepares the budding minds to develop a holistic approach for a rigorous corporate life ahead.

2. Departmental Activities

- NSS Volunteers from the department of Marketing & Supply Chain Management namely Rishab Kath, Ajay and Kashish Mahajan along with other NSS pioneers from University administered the pledge for 'Swatchhta Hi Sewa' on 19th September, 2019.
- Kashish Mahajan secured 2nd Prize in Ethnic Walk - Under Travelism 2019, organized by the department of Tourism & Travel Management, Central University of Jammu on 27th September, 2019.
- Students namely Kashish Mahajan, Vishakha Sambyal & Stanzin Konchok from the department of Marketing and Supply Chain Management represented CUJ in Student Exchange Programme organised at Central University of Tamil Taidu, under Ek Bharat Shreshtha Bharat 2020, along with 24 other students from the Union Territory of Jammu and Kashmir during 16th - 30th January, 2020.
- Rishab Kath, Gorav Sangotra and Ajay Singh participated in the fest organised by Indian Institute of Management, Jammu during 31st January - 2nd February, 2020.
- Guest lecture by Prof. Naval Kishore, IGNOU for the students MBA- Marketing and Supply Chain Management on 26th February, 2020. He shared with the students that the industry is looking the students having multidimensional personality with sound conceptual understanding.
- Students from the department along with other students from the University participated in the National Integration Camp organised at University of Jammu on 22nd -28th February, 2020. Rishab Kath won 1st prize in skit competition and 2nd prize in slogan writing competition .

3. Seminar, Workshops and Conferences attended by the faculty :

Dr. Naresh Kumar Sharma, Dr Sailil Seth

- Attended One Week Faculty Development Programme on the topic "Internet of Things" sponsored by ATAL, All India Council for Technical Education, New Delhi organized by the department of CSIT, Central University of Jammu. (October 14th -18th, 2019)

**Dr. Naresh Kumar Sharma**

- Presented paper titled “Assessment and Evaluation of PhD Degree: Some Ethical Issues” in two days' National Seminar on Assessment and Evaluation: Recent Trends and Challenges organized by School of Education, Central University of Jammu. (5th -6th February, 2020)
- Presented paper titled “Swami Vivekananda's Ideas on Higher Education” in two days' National Seminar on Emergence of New India: Philosophy and Teachings of Swami Vivekananda organized by Vivekananda Chair, Central University of Jammu. (16th -17th January, 2020)

Dr Anju Thapa

- One week Next Generation Logistics workshop, The Indo-US Science and technology forum at SMVDU, Katra. (5th August 10th August, 2019)
- Faculty Development Programme on Entrepreneurship Development sponsored by Entrepreneurship Development Institute of India, Gandhinagar, Gujarat under DST-NIMAT project, Central University of Jammu. (20th May-10th June, 2019)



Department of Public Policy and Public Administration

1. International, National Seminars/Workshops/Other Events :

- **26th November 2019**

Constitution Day was celebrated in the University by Department of Public Policy and Public Administration (PPPA). The following activities were done the department during the constitution day.

- Preamble Reading
- Live telecast of Samvidhan Divas
- Essay Writing Competition
- Panel Discussion

- **11th February 2020**

The Department of Public Policy and Public Administration has organised Picnic to Patnitop on for the students of the Department. A total number of 43 students along with teachers and non teaching staff accompanied for the Picnic.

2. Extension Lectures Series

S. No.	Date of Visit	Name of Speaker	Topic of the talks
1.	17 th May, 2019	Ajmer Singh	Board of Studies
2.	7 th Feb. 2020	Alka Dhameja	Introduction to Public Administration Theory

3. Visit of Outside Experts

S. No.	Name of Expert	Month	Purpose of Visit
1.	Ajmer Singh Malik	17 th May, 2019	BOS
2.	Mamta Mokta	28 th Feb. 2020	Ph.D Viva
3.	Alka Dhameja	7 th May, 2020	Ph.D Viva



4. Seminars, Workshops and conferences attended by the Faculty

Dr. Govind Kumar Inakhiya

National :

Presented a paper entitled “ Uzbek - India Relations : Past Ties and Future Prospects in National Seminar” , Foreign Policy of Eurasia : Determinants and Objectives, organized by the Centre for Russian and Central Asian Studies, School of International Studies, J N U New Delhi, from March 18-19, 2019.

International :

Paper presented entitled “New Chapter of Relationships between India- Tajikistan A way forwarded', in International seminar, on India- Tajikistan Relations: Retrospect and Prospects, Organized by India Central Asia Foundation and ICSSR, on 31.01.2020. IIC, New Delhi.

5. Faculty Publications

Dr. Rouchi Chaudhary

Journals/Research Publications:

- Research paper titled “Educational Upliftment of Socially Deprived Girls: An Analysis of Central and State Sponsored Programmes in Jammu and Kashmir” (Co-author) in the Research Journal of Social Sciences, volume 10 number 4.
- Research paper titled “Strengthening Communities in Skill Development: An Impact Analysis of Project Himayat in Kashmir Valley” (Co-author) in Research Review, volume 04 Issue 04.

Dr. G. Durga Rao

- Published a book chapter titled "From Crisis to Innovation - Contours of Governance Reforms in India". In an edited book titled 'Contours of Public Policy and Governance in India: Festschrift in Honour of Prof. Ramabrahmam',

Dr. Govind K. Inakhiya

1. Published a book chapter titled "From Crisis to Innovation - Contours of Governance Reforms in India". In an edited book titled 'Contours of Public Policy and Governance in India: Festschrift in Honour of Prof. Ramabrahmam'
2. Implementation of Jammu and Kashmir Public Services Guarantee Act, 2011: An Overview, Public Affairs and Governance Vol. 8, No. 1, March 2020, pp. 41-59(Accepted)

Mr. Mohit Sharma



- Published a book chapter titled "From Crisis to Innovation - Contours of Governance Reforms in India". In an edited book titled 'Contours of Public Policy and Governance in India : Festschrift in Honour of Prof. Ramabrahmam', 2020.

6. Details of Research Projects-

Dr. Rouchi Chaudhary

Consultancy Projects: 02

- Co- Consultant : Identification of Urban Home Less person, Sponsored by the Jammu Municipal Corporation, Jammu, Rs. 10.25 Lakh, Duration- 4 months for first phase (Kathua, Jammu, Udhampur and Reasi Districts study completed and Report Submitted), Department of Public Policy and Public Administration.
- Project Inverstigator: Impact Assessment of JKSCSTBCDC scheme in Jammu Division, Sponsored by the JKSCSTBCDE, Jammu. Rs- 4.70 Lakhs (Completed and Report Submitted)

Dr. G.Durga Rao

Consultancy Projects: 02

- Co-Consultant : Identification of Urban Home Less person, Sponsored by the Jammu Municipal Corporation, Jammu, Rs. 10.25 Lakh, Duration- 4 months for first phase (Kathua, Jammu, Udhampur and Reasi Districts study completed and Report Submitted), Department of Public Policy and Public Administration.
- Project Inverstigator: Impact Assessment of JKSCSTBCDC scheme in Jammu Division, Sponsored by the JKSCSTBCDE, Jammu. Rs- 4.70 Lakhs (Completed and Report Submitted).

Dr. Govind Kumar Inakhiya

Consultancy Projects: 02

- Co-Consultant : Identification of Urban Home Less person, Sponsored by the Jammu Municipal Corporation, Jammu, Rs. 10.25 Lakh, Duration- 4 months for first phase (Kathua, Jammu, Udhampur and Reasi Districts study completed and Report Submitted), Department of Public Policy and Public Administration.
- Project Inverstigator: Impact Assessment of JKSCSTBCDC scheme in Jammu Division, Sponsored by the JKSCSTBCDE, Jammu. Rs- 4.70 Lakhs (Completed and Report Submitted)

**Dr. Mohit Sharma****Consultancy Projects: 02**

- Co- Consultant : Identification of Urban Home Less person, Sponsored by the Jammu Municipal Corporation, Jammu, Rs. 10.25 Lakh, Duration- 4 months for first phase (Kathua, Jammu, Udhampur and Reasi Districts study completed and Report Submitted), Department of Public Policy and Public Administration.
- Project Investigator : Impact Assessment of JKSCSTBCDC scheme in Jammu Division, Sponsored by the JKSCSTBCDE, Jammu. Rs- 4.70 Lakhs (Completed and Report Submitted)



Department of Nano Sciences and Materials

1. About Department (Brief Introduction) :

Nano Sciences and Materials, Year of Establishment : 2016

2. Major Achievements during the year :

International Publications, Online NPTEL courses

3. Details of Field Trips/Industrial Visit/Educational Visit :

Educational Visit : Jammu to Jaipur, 20-21, Feb. 2020

4. Details of Orientation Programs Organized/Attended by faculty members :

Dr. Tanuj Kumar

Attended Faculty Development Program on IOT, Central University of Jammu, Jammu from Oct. 14-18, 2019.

Dr. Vishal Singh

UGC sponsored, Refresher Course

Dr. Pragati Kumar

01 Orientation and 01 Refresher Course

Dr. Pawan Kumar

Attended Refresher Course conducted by PMMMNMTT, School of Education, Central University of Jammu, Jammu from Jan. 03-09, 2020.

5. Faculty Achievements during 2019-2020

Dr. Tanuj Kumar Published five research papers in internal journals and attended refresher course.

Dr. Pragati Kumar Published two research papers in internal journals and attended refresher course.

6. Seminars, Workshops and Conferences attended by the Faculty (2019-2020)

Dr. Tanuj Kumar

1. Attended Faculty development program on IOT, Central University of Jammu, Jammu from Oct 14-18, 2019.
2. Attended International conference on Nanostructuring by ion beams (ICNIB-2019) IGCAR, Kalpakkam, 6-8, 2019.
3. Attended National Symposium on energy, environment and sustainable development (EESD-2019), 31 July 2019.

**Dr. Vishal Singh**

Attended 2nd National Workshop on Explosive Detection by High Energy Materials Research Laboratory (HEMRL) on 1st & 2nd March 2020 at, Pune.

Dr. Pragati Kumar

1. Ar-ambient pressure induced bleaching of multiphonon Raman mode Pragati Kumar, Nupur Saxena, and Vinay Gupta Presented at: "International Conference on Nanoscience and Nanotechnology (ICONN-2019)" at SRM University, Chennai, India, January 28 - 30, 2019.

Dr. Pawan Kumar

1. Attended Refresher Course conducted by PMMMMNTT, School of Education, Central University of Jammu, Jammu from Jan. 03-09, 2020.
2. Pawan Kumar, Isolation of Co-metal ions from spent mobile battery waste and conversion in ZIF-67, Presented at Paris, France, Oct. 27-30, 2019, EURO-MOF-2019.
3. Shibyendu Nikhar, Pawan Kumar, " β -CD metal organic framework for Aldehydes Sensing", has been approved for Poster Presentation and not Oral at the International Conference ICONICA 2020 - A Global Summit on "Next-Gen Paradigms in Health Care", to be held at Panjab University, Chandigarh, India on 13-14 February, 2020.
4. Sahil Shivgotra, Pawan Kumar, "Synthesis and analysis of imidazole 4,5-dicarboxylate based MOF", has been approved for Poster Presentation at the International Conference ICONICA 2020 - A Global Summit on "Next-Gen Paradigms in Health Care", to be held at Panjab University, Chandigarh, India on 13-14 February, 2020.

7. Faculty Publications**Dr. Tanuj Kumar**

1. Study of modified PEDOT: PSS for tuning the optical properties of its conductive thin films.

V Singh, T Kumar

1. Journal of Science : Advanced Materials and Devices 4 (4), 538-543, 2019
2. Size dependent morphology, magnetic and dielectric properties of BiFeO₃ nanoparticles.
N Sheoran, M Saini, A Kumar, V Kumar, T Kumar, M Sheoran
MRS Advances 4 (28-29), 1659-1665, 2019
3. Nano-patterning on Si (100) surface under specific ion irradiation environment
RP Yadav, J Malik, J Yadav, AK Mittal, T Kumar
MRS Advances 4 (28-29), 1673-1682, 2019
4. Al₂O₃-Water Nanofluids for Heat Transfer Application
L Phor, T Kumar, M Saini, V Kumar
MRS Advances 4 (28-29), 1611-1619, 2019



5. SHI induced evolution of surface and wettability of BaF₂ thin films
RK Pandey, T Kumar, UB Singh, S Awasthi, AC Pandey
MRS Advances 4 (28-29), 1667-1672, 2019

Dr. Vishal Singh

1. Structural and Magnetic Investigations of Yb Substituted Y_{1-x}Yb_xBaCo₄O₇ ($0 \leq x \leq 0.5$) Compound, Bharat Singh, Naresh Kumar, Vishal Singh, Ravender Tickoo, N. K. Gaur & Ajay Singh, Integrated Ferroelectrics, 203:1, 97-107.

Dr. Pragati Kumar

1. CdS nanodroplets over silica micro balls for efficient room temperature LPG detection
Nupur Saxena, Pragati Kumar, and Vinay Gupta
Nanoscale Advances 1 (2019) 2382-2391
Publisher: Royal Society of Chemistry, ISSN: 2516-0230,
2. Vital role of Ar-ambient pressure in controlled properties of nanocrystalline CdS thin films
Pragati Kumar, Nupur Saxena, and Vinay Gupta
Journal of Materials Science: Materials in Electronics 31 (2020) 6755-6763
Publisher: Springer, ISSN: 1573-482X, Impact Factor: 2.195

Dr. Pawan Kumar

- Rarotra S., Sahu S., Kumar P., Kim K.-H., Lisak G. (2020) Progress and Challenges on Battery Waste Management: A Critical Review. ChemistrySelect. In Press. JR.
- Kumar P., Kim K.-H., Lee J., Shang J., Khazi M.I., Kumar N., Lisak G. (2020) Metal-organic framework for sorptive/catalytic removal and sensing applications against nitroaromatic compounds. Journal of Industrial and Engineering Chemistry, 84, 87-95 (SCI-Impact Factor - 4.9)
- Bansal V., Hashemi B., Raza N., Kim K.-H., Raza W., Kumar P., Brown R.J.C. (2020) Review of the analytical methods for and clinical impact of additives and flavors used in electronic cigarettes Exposure and Health, DOI: <https://doi.org/10.1007/s12403-019-00331-x> In Press (SCI-Impact Factor - 4.5)
- Kumar P., S Rarotra, L. Ge, G. Lisak, Kim K. H. (2020) The advanced sensing systems for NO_x based on Metal-organic frameworks: Applications and future opportunities, Trends in Analytical Chemistry, 122, 115730 (SCI-Impact Factor - 8.43)
- Kumar P., Vejerano E., Khan A., Lisak G., Ahn J. H., Kim K. H. (2019) Metal organic frameworks (MOFs) : Currents trends and challenges in control and management of air quality application, Korean Journal of Chemical Engineering 36(11), 1839-53. (Invited Paper)
- Kumar P., Anand B., Tsang Y. F., Kim K.H., Khullar S., Wang B. (2019) Regeneration, Degradation, and Toxicity Effect of MOFs: Opportunities and Challenges. Environmental Research. 176, 108488 (SCI-Impact Factor - 4.73)



- Kumar P., Kim K.-H., Mehta P.K., Ge L., Lisak G. (2019) Progress and challenges in electrochemical sensing of volatile organic compounds using metal-organic frameworks. *Critical Reviews of Environmental Science & Technology*. 1-33 (SCI-Impact Factor -7.68)
- Azzouz A., Kailasa S. K., Kumar P., Ballesteros E., Kim K.-H. (2019) Advances in functional nanomaterial-based electrochemical techniques for screening of endocrine disrupting chemicals in various sample matrices. *Trends in Analytical Chemistry*. 113, 256 -279 (SCI-Impact Factor: 7.04)
- Azzouz A., Kailasa S. K., Kumar P., Ballesteros E., Kim K.-H. (2019), Advances in functional nanomaterial-based electrochemical techniques for screening of endocrine disrupting chemicals in various sample matrices. *Trends in Analytical Chemistry*. In Press. (SCI-Impact Factor: 7.04)
- Yen Thi Tran, Jechan Lee, Pawan Kumar, Ki-Hyun Kim, Sang Soo Lee (2019) Natural zeolite and its application in concrete composite production, *Composite Part B - Engineering* 165, 354-364 (SCI-Impact Factor: 4.9)

8. Details of Research Projects

Tanuj Kumar

- (1) Fabrication and electron transport characteristics of silicon nanowires , SERB, New Delhi Govt, Nanoscience and Materials 2016, 14.7 lac, 3 years.
- (2) Importance of Amorphous/Crystalline Interface in Nanoscale Surface Patterning of Silicon, IUAC, Delhi Govt. Nanoscience and Materials 2016 , 6 lac.

Dr. Vishal Singh

- (1) Development of multiferroic thin films for spintronic applications, UGC-BSR Start- Up grant 10 lakh.

Dr. Pragati Kumar

- (1) "Development of Nanostructures Based Optical Sensor" UGC Start up Grant (10 Lakhs)- completed (2019).
- (2) "Fabrication of Inorganic/Organic Heterojunctions for Optoelectronic Devices"-SERB Early Career Grant (40 Lakhs)- completed (2020)
- (3) Ion beam induced modification of luminescence activators doped CdS thin films- IUAC-UFR (6 Lakhs) ongoing.
- (4) Synthesis and Characterization of undoped/doped nanostructures- CUJ-Startup (2 Lakhs)- completed (2019)

Dr. Pawan Kumar

- (1) Application of water-stable metal organic frameworks (WMOF) for the detection of odorants and emerging pollutants/pesticides in wastewater, SERB, Delhi, Rs. 52.77 Lacs, 2019-2022 (on-going)



- (2) SERB, Delhi Development of a novel sensing technique for organic pesticides in various media based on nanocrystal metal organic frameworks (NMOF) using parallel analysis with thermal desorption-gas chromatography-mass spectrometry (TD-GC-MS) Rs. 50.28 Lacs, 2019-2021 UGC, Delhi (On-Going)
- (3) Novel practical sensing technique for VOCs in various real media using nanocrystal metal organic frameworks, Rs. 10.00 Lacs, 2017-onward (On-Going)



Department of Human Resource Management & Organizational Behaviour

1. About the Department (Brief Introduction)

The Department of Human Resource Management and Organisational Behaviour is offering full time Ph.D (Human Resource Management), PhD (Business Administration), MBA (Human Resource Management), MBA, B.Voc. (Retail Management) and B.Voc (Banking and Financial Services) programmes. These programmes are aimed to equip students with multifaceted skills relevant to the contemporary business in general and HRM, Marketing, Retail Management and Banking industry in particular to meet the needs of the changing and challenging social/business scenario.

The Department of HRM & OB started functioning in 2012 with an intention to impart training to young boys and girls who would be best suited to take up the administrative, managerial and entrepreneurial challenges of the HRM/Marketing/ Retail Management/ Finance / Banking industries. The programmes cover the general management and industry driven curriculum that equips students with the analytical, strategic and policy-making skills for serving both commercial business houses and the public sector undertakings. The transactional pedagogy comprises interactive classroom sessions with active student participation through case presentations, group discussion and exposure to real life situation through frequent seminars and workshop conducted by executives and senior faculty members from various Centres of Excellence. The course and the teaching pedagogy are carefully geared up to suit highly competitive and fast changing business environment. In pursuit of driving for excellence, the Department has taken several initiatives by organising various events, obtaining AICTE approval, membership of apex industry/academic bodies and signing MoUs with various organisations. IndustryAcademia-Collaboration facilitates periodical review of curricula, apprenticeship and placements:

The academic package of programs offered by the Department necessarily include experiential and project based learning with focus on Internship /Mentoring/ Weekly Club Activities/Course Assignments/ industry-academia interactions/Industry/Field exposure of students across all courses.

The department believes in preparing the students to approach business situations and solve them in the way established corporations do. Learning happens both inside and outside the classroom, hence, technology plays a big part in the core culture, and so does global exposure, project management, critical reasoning, and business communication skills. Department lays emphasis through experiential and Project based learning, internship, course assignments, industry-academia interactions and other industry-driven projects.

2. Major Achievements during the year

- 03 students qualified UGC-NET 2019 (June & December, 2019)
- Good track records of internship and placements during 2019-20

The Department has witnessed good response from corporate houses this Year and has been able to manage internship/ placement of students in reputed corporate houses with maximum annual package of Rs 10 lakhs despite economic slowdown triggered by the COVID-19 outbreak. During this academic session more than 40% pursued paid internships/summer projects in online mode. The Department



works closely with Central placement cell which acts as a mediator between the students and the organisations.

3. Month wise report on International, National Seminars/ Other event held in department (with photograph)

- National Seminar and Capacity Building Workshop on Fair Trade Practices in Digital Market Space, 11th -14th, December 2019

Department of HRM&OB, Central University of Jammu in collaboration with University of Kashmir organized a National Seminar and Capacity Building Workshop on **Fair Trade Practices in Digital Market Space** from 11th -14th, December 2019 at Gandhi Bhawan , University of Kashmir . The event was sponsored by Department of Consumer Affairs, Food and Public Distribution, GOI. The seminar and workshop was attended by representatives from CAPD, Legal Metrology, Universities, Colleges and Schools. Plenary discussions and technical sessions were conducted on the conference days which were followed by two day capacity building workshop wherein lectures were delivered by the resource persons of national repute. This was the second seminar and workshop in the series being conducted under the aegis of project sanctioned by Ministry of Consumer Affairs to Dr. Gowhar Rasool, Assistant Professor, Department of HRM & OB, Central University of Jammu.

- **Event: Ekatra 2020**

Ekatra 2020 Annual entrepreneurial FEST organized by Department of HRM & OB - School of Business studies, Central University of Jammu on 25 February, 2020.

It hosted Food stalls, Game zones, and Talent show in which students were given opportunity to learn to invest smart. This event simulated real-time market scenario to the students and helped them in getting familiarized with the entrepreneurial skills. The fest was an attempt to nurture spirit of entrepreneurial thought process amongst the students

- **National Seminar on “Consumer Protection and Welfare” from 1st-2nd May, 2019**

School of Business Studies, Central University of Jammu Organized a National Seminar on Consumer Protection and Welfare (1st-2nd May, 2019) under the guidance of Honorable Vice Chancellor Prof. Ashok Aima. The two days seminar aimed at creating a platform for knowledge dissemination and discussion among academicians, scholars, trade professionals, enforcement agencies and other stake holders from across the region and the nation. The conference formed an intellectual pool receiving more than 50 research papers from researchers and scholars. The Seminar also witnessed panel discussions on the thematic areas with panelists and delegates from length and breadth of the country.

- **Capacity Building Workshop on Consumer Welfare and Protection, 3-4 May 2019**

Capacity building workshop on Consumer Welfare and Protection was organized by the department of Human Resource and Organizational Behavior on 3-4 May 2019. The workshop was an extension of the project sanctioned by the ministry of consumer affairs to Dr. Gowhar Rasool, Assistant Professor, Dept of HR and OB. The workshop attended by representatives



from CAPD, legal meteorology, faculty and scholars from various universities and colleges in the region focused on grievance redressed mechanisms using e-platforms. Some of the major deliverables of the workshop included consumer and markets, liberalization and globalization of markets with the concept of consumers, e-commerce with reference to Indian market, GST, etc. The resource persons for the workshop included DSP S.Y. Kitchloo, Mr. Amit Sharma, KAS, Prof. Amitabh Kundu, RIS, New Delhi, A. A. Jaiswal from IIM Ahmedabad.

4. Month wise Report on Extension Lecture Series held in Department

- Interactive Session was conducted by Prof N. Kishor on topic '**Marketing Practices in Emerging Economies**' on 26th February 2020.
- Interactive Session was conducted by Prof. M. I. Haque on topic 'Role of Leadership in fostering culture of Innovation in business organization' on 27th February 2020.

5. Month wise Report on Awareness Programme organized by Department

To sensitize the young students about the upcoming vocations like tourism, retail management, banking & finance and other career avenues, Dr. Varun Abrol conducted a drive in the schools adjoining the villages of Rahya Suchani. The students were also apprised of various vocational programs offered by the Central University of Jammu and the admission process for the same.

6. Details of Field Trips/Industrial visit/ Educational Visit

Students of B.Voc. Retail Management have under taken live projects with Big Bazaar, Pantaloons, Brand Factory. The On the Job Training was of one week duration where the students were exposed to different domains of retail sector.

7. Faculty Achievement during 2019-2020

- Dr. Gowhar Rasool got Fellowship from National University of Singapore.

8. Any other relevant information

05 candidates were Awarded PhD Degrees.

9. Seminar, Workshop and Conference attended by the faculty (2019-2020)

- Dr. Jaya Bhasin attended National Seminar and Capacity Building Workshop on Consumer Protection And Welfare organized by the School of Business studies, Central University of Jammu.
- Dr. Neelika Arora, attended National Seminar and Capacity Building Workshop on Consumer Protection and Welfare organized by the School of Business studies, Central University of Jammu.
- Dr. Neelika Arora attended Faculty Development programme organized by Central University of Jammu.
- Dr. Shahid Mushtaq, attended National Seminar and Capacity Building Workshop on Consumer Protection and Welfare organized by the School of Business studies, Central University of Jammu.



- Dr. Shahid Mushtaq attended Faculty Development programme organized by Central University of Jammu.
- Ms. Anjali Pathania attended National Seminar and Capacity Building Workshop on Consumer Protection and Welfare organized by the School of Business studies, Central University of Jammu.
- Mr. Asif Ali, attended ICRICS-2019 conference organized by the Department of Computer Science, Central University of Jammu.
- Mr. Asif Ali attended National Seminar and Capacity Building Workshop on Consumer Protection and Welfare organized by the School of Business studies, Central University of Jammu.
- Dr. Gowhar Rasool attended National Seminar and Capacity Building Workshop on Consumer Protection and Welfare organized by the School of Business studies, Central University of Jammu.
- Dr. Gowhar Rasool, attended 2 weeks workshop on Experimental Methods in National University of Singapore.
- Dr. Varun Abrol attended National Seminar and Capacity Building Workshop on Consumer Protection And Welfare organized by the School of Business studies, Central University of Jammu.

10. Faculty Publications

- Arora, N. & Lata, S. (2020). YouTube channels influence on destination visit intentions: An empirical analysis on the base of information adoption model, *Journal Of Indian Business Research*, Emerald publications.
- Gupta, A., Dhiman, N., Yousaf, A. & Arora, N. (2020). Social comparison and continuance intention of smart fitness wearables: an extended expectation confirmation theory perspective, *Behaviour & Information Technology*, Taylor & Francis.
- Pathania, A.& Rasool, G.(2019). Investigating power styles and behavioural compliance for effective hospital administration, *International Journal of Healthcare quality assurance*, Emerald publications.
- **Ali, A.** & Bhasin, J. (2019). Understanding Customer repurchase Intention in E-Commerce: Role of Perceived Price, Delivery Quality and Perceived Value, *Jindal journal of Business research*, Sage (Scopus)
- **Ali, A** & Bhasin, J.(2019) .Entrepreneurial Intentions in Millennials, *International Journal of Management, Technology And Engineering*
- **Ali, A** & Bhasin, J. (2019). A Model of Information Systems Interventions for e-Learning: An Empirical Analysis of Information System interventions in e-Learner Perceived Satisfaction, *Lecture Notes in Electric Engineering*, Springer.
- Dhiman, N., Arora, N., Dogra, N. & Gupta, A., (2019). Consumer adoption of smartphone fitness apps: an extended UTAUT2 perspective, *Journal of Indian Business Research*, Emerald publications.
- Bhasin, J. Mushtaq, S. & Gupta, S. (2019) Engaging Employees Through Employer Brand: An Empirical Evidence, *Management and Labour Studies*,44(4),417-432, ISSN: 0258-042X. Sage



- Bhasin, J. Mushtaq, S. & Sujan, B. (2019) Mediating Role of Interpersonal Trust in Devolution of HR Functions and Organizational Commitment in Indian Banking Sector. The Indian Journal of Commerce, 72 (3&4), 177-198, ISSN:0019512X.

11. Details of Research Projects

- Dr. Gowhar Rasoolgot the project "Field Mapping and Consumer Protection and Welfare under Ministry of Consumer Affairs, Government of India worth 31.25 Lacs.



Centre for Molecular Biology

1. About the Department

The Centre for Molecular Biology aims at carrying out research in the basic as well as applied biological sciences and use this knowledge to advance our understanding of the biological world and help to improve human health. Our mission is to create a highly competitive research and teaching environment that will help students as well faculty members to excel in this field of biological science. The teaching fraternity of this centre is committed collectively and individually to achieving the above goals and to maintain the highest standard of teaching and research. The objectives of the Centre are to conduct high quality basic research and training in frontier areas of modern biology, and promote centralized facilities for new and modern techniques in the inter-disciplinary areas of biology.

2. Awareness Programme

Month	Awareness Programme	Theme
28 th Feb. 2020	National Science Day 2020	Women in Science

3. Faculty Achievements during 2019-20

Dr. Audesh Bhat: Best publication award 2019

4. Faculty Publication

Prof. Mushtaq Ahmed

Name of the author(s) (main author then co-author)	Article/Research Paper/Book Chapter/Any other	Name of Publisher	Name of the magazine /Journal/ Book	ISSN/ ISBN. No.	Year of Publication
Razak Hussain, Rolly Yadav, Mushtaq Ahmed, Tabreiz Ahmad Khan,	Interplay between two spin states determines the hydroxylation catalyzed by P450 monooxygenase from	Journal of Computational Chemistry	WILEY	0175-7598	2020



Devesh Kumar and Yusuf Akhter, 2020	Trichoderma brevicampactum				
Razak Hussain, Mushtaq Ahmed, Tabreiz Ahmad Khan and Yusuf Akhter	Fungal P450 monooxygenase s-the diversity in catalysis and their promising roles in bio control activity	Applied Microbiology and Biotechnology	Springer	0175-7598	2020
Shikha Sharma, Mushtaq Ahmed and Yusuf Akhter	Fungal acetyltransferases structures, mechanisms and inhibitors : A review	International Journal of Biological Macromolecules	Elsevier	0141-8130	2019
Shikha Sharma, Mushtaq Ahmed and Yusuf Akhter	The molecular link between tyrosol binding to tritranscriptional regulator and down regulation of trichothecene biosynthesis	Biochimie	Elsevier	0300-9084	2019
Dr. Audesh Bhat					
Rajeshwar Singh Jamwal, Nikita Mahajan, Gh.	REV3L Gene Variants rs1002481, rs462779, and rs465646 Lead to Increased	Springer	BMC Medical Genetics	1471-2350	2020 (pre-print)



Rasool Bhat, Amrita Bhat, Bhanu Sharma, Ruchi Shah, Minerva Sharma, Sonali Verma, Divya Bakshi, Rahul Sharma, Deepak Abrol, Rakesh Kumar, Audesh Bhat	Susceptibility Towards Non-Small Cell Lung Cancer in the Population of Jammu and Kashmir				
Li L, Mangali S, Kour N, Dasari D, Sharma V, Dhar A, Bhat A	Syzygium cumini (Jamun) fruit extracted phytochemicals exert anti-proliferative effect on ovarian cancer cells. Journal of Cancer Research and Therapeutics	Medknow Publications	Journal of Cancer Research and Therapeutics	19984 138	2020
Mangali S, Bhat A, Jadhav K, Kalra J, Sriram D, Venuganti V.V, Dhar A	Upregulation of PKR Pathway Mediates Glucolipototoxicity Induced Diabetic Cardiomyopathy In vivo in	Elsiver	Biochemical Pharmacology	00062 952	2020



Kalra J, Mangali S, Bhat A, Jadhav K, Dhar A.	Selective inhibition of PKR improves vascular inflammation and remodelling in high fructose treated primary vascular smooth muscle cells	Elsevier	Biochimicaet Biophysica Acta- Molecular Basis of Disease	09254 439	2020
	Genetic variant rs10937405 of TP63 and susceptibility to Non- small cell lung cancer risk in North -Indian population	Springer	Journal of Genetics	09737 731	2019
Verma S, Bakshi D, Sharma Va, Sharma I, Shah R, Bhat A, Bhat G, Sharma B, Wakhloo A, Kaul S, Heer V, Bhat A, Abrol Deepak, Verma Vijeshwar and Kumar Rakesh	Genetic Polymorphism of DNAH11 and LRFN2 Genes and Their Association with Ovarian and Breast Cancer in the Populations of Jammu and Kashmir in India	Wiley	International Journal of Gynecology &Obstetrics	18793 479	2020



Kalra J, Mangali SB, Dasari D, Bhat A, Goyal S, Dhar I, Sriram D, Dhar A.	SGLT1 inhibition boon or bane for diabetes associated cardiomyopathy	Wiley	Fundamental & Clinical Pharmacology	07673 981	2019
Verma S, Sharma V, Nagpal A, Bhat A, Bhat GR, Shah R, Wakhloo A, Suri J, Abrol, D, Kaul S, Bhat A, Verma V, Kumar R.	DNA base excision repair genes variants rs25487 (X-ray repair cross- complementing 1) and rs1052133 (human 8- oxoguanine glycosylase 1) with susceptibility to ovarian cancer in the population of the Jammu	Medknow Publications	Journal of Cancer Research and Therapeutics	19984 138	2019
Mangali S, Bhat A, Udumula, MP, Sriram D, Dhar I, Dhar A.	Inhibition of prote in kinase R protects against palmitic acid- induced inflammation, oxidative stress, and apoptosis through the JNK/NF κ B/NL R P3 pathway in cultured H9C2 cardiomyocytes	Wiley	Journal of Cellular Biochemistry	07302 312	2019



Jaspreet Kalra, Vandana Krishna, Bolla Reddy S.V. Reddy, Arti Dhar, Venkata V. K. Venuganti, Audesh Bhat	Nanoparticles in Medical Imaging (Book chapter)	Elsiver	Nanoparticles in Analytical and Medical Devices.	9780128211632	
Dr. Ashok Kumar Yadav					
M. Kumar, S. Shubham, AK Yadaav, B Singh	Dissemination of Antibiotic Resistance Geneas Environmental Contaminants : A Public Health Threat (Book Chapter)	Nova Science Publishers	Recent Trend in Advance Environmental Health	978-1-53615-661-4	2019
S. Panwar, S Jain, KS Duggirala, AK Yadav, A Kumar	Development of Probiotic Functional Foods as Novel Attentiveness for Human Health and Disease Management	"Daya Publishing House® A Division of Astral International Pvt. Ltd.	Micro Humankind and obes for Application	978-93-89569-01-8	2020
Dr. Praveen Mehta					
Kumar P; Kim -K; Mehta PK; Lisak, LG.	Progress and challenges in electrochemical sensing of volatile organic compounds using metal-organic frameworks.	Taylor & Francis	Crit. Rev. Env. Sci. Tec.	1064-3389	2019



Mehta P.K., Sehgal S.	Microbial Enzymes in Food Processing	Springer	Springer	978-3-030-25022-5	2019
Dr. Shelly Sehgal					
Mehta P.K., Sehgal S.	Microbial Enzymes in Food Processing	Springer	Springer	978-3-030-25022-5	2019

5. Details of Research Projects

PI: Dr. Ashok Yadav	Comparative gut microbiome profiling of colorectal cancer patients and healthy human gut of Jammu & Kashmir population		UGC Start-up	years	Major	Ongoing
PI: Dr. Ashok Yadav	Cell Surface Display of Divalent Hsbp -OmpA protein on Indigenous Probiotic <i>Lactobacillus</i> to Counter Gut Pathogens <i>Helicobacter pylori</i> and <i>Salmonella typhimurium</i>	ECRA-SERB New Delhi	3 years	Major	Ongoing	
Co-PI: Dr. Ashok Yadav	Surface expression of Glucagon like peptide -1 on indigenous probiotic <i>Lactobacillus</i> for management of type 2 diabetes	CRG SERB New Delhi	3 years	Major	Ongoing	
PI: Dr. Audesh Bhat, Dr. Ashok Yadav, Dr. Praveen Mehta	Characterization and profiling of gut microbiome in different gastrointestinal cancer types from J&K populations	Central University Jammu	2 years	Minor	Ongoing	



PI: Dr. Audesh Bhat	Human Reproductive Health	ICMR, New Delhi	5 Years	Major	Ongoing	
PI: Dr. Audesh Bhat	Understanding the role of DNA polymerase zeta (Pol ζ) in cancer and onset of chemoresistance in most prevalent gastrointestinal cancers in Jammu and Kashmir region	UGG-Start-up	2 years	Major	Ongoing	
PI: Dr. Praveen Kumar Mehta	Microbial isolation and screening for acyltransferase activity on amides for the production of industrially important hydroxamic acids from thermal springs of Northern India.	SERB, New Delhi	3 Years	Major	Ongoing	



Centre for Comparative Religions and Civilizations

1. About Department

The academic study of Religions was understood by nineteenth century scholars to be a 'scientific' discipline based on observation and objective analysis just as the other sciences were. A Science of Religion, based on an impartial and truly scientific comparison of all, or at all events, of the most important, Religions of mankind, is now only a question of time. It becomes the duty of those who have devoted their life to the study of the principal Religions of the world in their original documents, and who value and revere it in whatever form they may present themselves, to take possession of this new territory in the name of true science. The Centre for the Study of Comparative Religions and Civilizations is one of the very few institutions of its kind in this country and we, at Central University of Jammu, are proud to keep it running. The Center was established in July, 2016.

2. Mission

The mission of the Center for Comparative Religions and Civilizations is to describe and interpret the developments, worldviews and practices of religious traditions in a non-sectarian, academic manner for the benefit of students, faculty from other fields and the people at large. Within a public university, Religion must be approached with academic objectivity and without favoritism for any one tradition. Yet, religion must also be studied with sensitivity and empathy for the millions of believers whose lives are shaped by their faith. Comparative Religion examines the spiritual quest of humankind, especially as it has manifested itself in the world's living religions. These include Hinduism, Buddhism, Jainism, Christianity, Islam Sikhism, Judaism, and other less familiar traditions. No other academic field looks at the origins, sacred writings, rituals, beliefs and world views of the various Religions for their own sake rather than as an aspect of another field of study. The Centre is to be a celebration of the multi-cultural and multi religious ethos of India.

3. Vision

To be an advance Centre for research and systematic study of multi-religious and cultural ethos of India by adopting the comparative, inter-disciplinary, scientific, dialogical critical and analytical methods. Part of the vision is to transform the society by promoting communal harmony, mutual appreciation and the spirit of the tolerance in the context of pluralism.

4. Major Achievements during the year

Commencement of Certificate Course in 2019 - 2020

The Centre commenced a Certificate Course on "Saivism" in the current academic year.

There are 18 students enrolled for the newly started course.



5. Seminars/Workshops/Other Events

National Seminar

The Centre organized the National Seminar on “Contribution of Jammu and Kashmir to Indian Thought,” in collaboration with Indian Council of Social Science Research (ICSSR), 22nd & 23rd October 2019.

6. Eminent Lecture Series

The Centre holds Eminent lecture series under “Know Your Country and Culture,” organizers of the Eminent lecture series are Dr. Ajay Kumar Singh and Dr. Murugesan A, Assistant Professors of the Centre.

7. Extension Lecture Series

The Centre held the following extension lecture series under *Samvad*;

Care and Counselling during COVID-19 Pandemic delivered by Dr. Ajay Kumar Singh on 25th March 2020 through Zoom Meet.

Importance of Spirituality and Mental Health of the Students in the Context of COVID-19 Pandemic delivered by Dr. Murugesan A on 27th March 2020 through Skype.

8. Any other relevant information

Dr. Ajay Kumar Singh

Convener of ICSSR sponsored National Seminar: Contribution of Jammu and Kashmir to Indian Thought on 22-23 October 2019.

Organizing Committee Member of International conference on "Revisiting the virtues of

- Gandhian Philosophy: relevance and applicability in 21st century" on 7-9th November 2019.
- Deputy Superintendent of Department of TTM, Central University of Jammu for End Semester Examinations December 2019.
- PhD degree is awarded on 27th January 2020.
- Taught Research and Publication Ethics for the scholars of Ph. D. Course Work in the Department of English and Comparative Literature, Central University of Jammu.
- Nominated as Member -Board of Studies, Department of Diaspora Studies, MGAHV, Wardha for next 2 years from February 2020.
- Preparation and presentation of Lal Ded Chair Proposal at UGC on 11-12th February 2020.
- Re-Appointment as Assistant Dean Students Welfare on 20th February 2020.

Dr. Murugesan A

As an External Examiner adjudicated, the following Ph.D. thesis from the University of Madras, Chennai



Name of the Scholar	Title of Ph. D. Thesis
Chitra E	Ancient Literature: The Life Style in Purananooru
Gajalakshmi S.	A Research on the Commentry on Tholakappiyam by Pavaleru Balasundaram
Geethavani R	The Ideology and Style of Language in the Poems of Female Poets
Hussainkahn B.	The Contribution of M. Sayabu Marakkaiyar to Litterature
Kalavathi P.	A Research on the Songs of Aatruppadai
Kalpanadevi R.	Sundarar Devaram: Porunmai Research
Kanmani S.	A Research on the Writings of S. Beermuhammad
Karthikeyan S.	The Life Style in the Novels of M. Varatharasanar
Kavitha R.	The Life Principles in Ettuthokai
Pradeep Kumar V.	The Life Style in the Poems of Tamil Haiquook
Ramamurthy P.	A Research on the Novel Writings of Alandur Mohanarangan
Suganthi M.	Buddhist Principles of Life in the Books of Proverbs
Theoder Rajkumar A. J.	Social Perspective in the Songs of Tamil Siddhas and Christian Literature

- Deputy Superintendent for the End Semester Examinations in December 2019 at the Department of Business Management Administration, Central University of Jammu.
- Delivered an Invited Lecture on Western Philosophy and English Literature with Special Reference to Francis Bacon at the Department of English and Comparative Literature, Central University of Jammu on 30th August 2019
- Delivered the following Invited Lectures for the subject titled "Tourism Resources and the Products of India" (Second Semester) at the Department of Travel and Tourism Managements (TTM), Central University of Jammu



Topic of the Lecture	Date
Architectural Heritage of India: Ancient Architecture & Indo-Islamic Architecture	12 th February 2020
Architectural Heritage of India: Colonial Architecture and Modern Architecture	13 th February 2020
Popular Religious Centres of Hindu, Buddhist, Jain, Sikh, Muslim and Christian Religions	18 th February 2020
Selected Case Studies of UNESCO's World Heritage Sites in India: Taj Mahal, Jim Corbett National Park, Konark Sun Temple, Ajanta and Ellora Caves	19 th February 2020

9. Seminars, Workshops and Conferences attended by the Faculty (2019-2020)

Dr. Ajay Kumar Singh

- Professional Development Workshop On Design, Develop & Deliver MOOCs on 3rd - 9th January 2020 in Central University of Jammu.
- Incharge - One-week CUJ - CUTN Cultural exchange Programme Under *Ek Bharat Shrestha Bharat* from 20 to 27th January 2020.
- Co-chair of the Technical sessions in in the National Conference on "Assessment and Evaluation: Recent Trends and Challenges," Organized by the Department of Education, Central University of Jammu, on 5th & 6th February 2020.

Dr. Murugesan A.

- As a Resource Person for a Symposium on the Theme "Tourism and Jobs: A Better Future for All," organized by the Dep. of TTM, CUJ, spoke on The Significance of Religious Monuments and Cultural Tourism, on 27th September 2019.
- Presented a research paper on The Concept of Soul in Kashmir Saivism: An Enrichment to Indian Thought, in the National Seminar on "Contribution of Jammu and Kashmir to Indian Thought," organized by the Centre for Comparative Religions and Civilizations, Central University of Jammu in collaboration with Indian Council of Social Science Research (ICSSR), 22-23 October 2019.
- Presented a research paper on The Personal Narrative of Ramalinga Swami: Indentity of Self in Thiruvartupa, in the International Conference on "Multiple Selves in Multiple Texts: Life Narratives in South Asia," Organized by the Department of English, Central University of Jammu, 6 & 7th November 2019.
- Presented a research paper on The Need of Spiritual Education in Promoting the Moral Development of Learners: An Innovative Assessment and Evaluation of Teaching and Learning Process in the National Conference on "Assessment and Evaluation: Recent Trends and



Challenges, “ Organized by the Department of Education, Central University of Jammu, on 5th & 6th February 2020.

- Presented a research paper on The Spirit of Tolerance and Universal Brotherhood in the Philosophy of Swami Vivekananda in the National Seminar on “Emergence of New India: Philosophy and Teachings of Swami Vivekananda,” Organized by the Swami Vivekananda Chair, Central University of Jammu, on 16th & 17th January 2020.

10. Faculty Publications

Dr. Ajay Kumar Singh

- Published a research paper on *Vishnugupta Vision of Co-Existence*, Vimal Vimarsh peer-reviewed UGC listed Journal, Varanasi, 2019, pp 270-276, ISSN 23485884.
- Published a research paper on *Jain Granthon Me Tanaavmukti Ke Sutra* The Equanimist Peer-reviewed Journal, Jan-Dec 2019, pp 86-94, ISSN no 23957468

Dr. Murugesan A

- Published a research paper on *The History and Centres of Jainism in Tamilnadu*, Pataliputra Journal of Indology, Vol. 4, Issue 1, March 2019, pp. 22-26, ISSN 2320-351x.
- Published a research paper on *An Introduction to Shakta Tradition*, Pataliputra Journal of Indology, Vol. 4, Issue 3, November 2019, pp. 1-5, ISSN 2320-351x.

11. Departmental Publication in 2019-2020

The Centre published a book on *Pratibhiganhirdhayam* which is the translation from Sanskrit to Kashmiri by Prof. G. M. Khawaja. The book was released on 13th May 2019.



Swami Vivekananda Chair

1. About the Chair

The University Grant Commission has formulated the Scheme of Chairs in the name of Nobel Laureates and illustrious persons (who have born either as Indian Citizens or of an Indian Origin) whose contribution towards mankind have greatly been acknowledged at global level. Swami Vivekananda stands amongst such greatest figures whose vast knowledge of eastern and western culture mesmerised the western world especially American.

The auspicious seat of Swami Vivekananda Chair was sanctioned in Central University of Jammu by the University Grant Commission in March 2015 for a period of Five Years. It gives us immense pleasure to announce that Central University of Jammu is amongst the first five out of total 53 Central Universities of this country where seat of Swami Vivekananda has been established. Presently, Professor Vivek Kumar (newly appointed) is holding this seat since 18 Sep 2018, vice Professor Sudesh Kumar Sharma who earlier held this seat for a short duration from 16 May 2016 to 08 April 2018.

The main objective for functioning of this seat is to facilitate various research studies focussing on the life and Philosophy of Swami Vivekananda and their Relevance in Contemporary Time. The mandate of Chair is “Governance and Ethics” with specific emphasis on propagation of Teachings of Swami Vivekananda. To meet the expenses for carrying out the objectives of the Chair the total financial grant of Rs. 45 lakhs has so far been granted by the University Grant Commission in two instalments.

The details of major activities carried out by the Chair in the University Campus are as under :

- Conducted as Convenor the Two Days National Seminar on Emergence of New India: Philosophy and Teachings of Swami Vivekananda in collaboration with ICSSR from 16th to 17th January 2020, Two books were released in this Seminar entitled:
- Jammu Kashmir Ek Unsuljhi paheli ka Sukhad aant-Hindi version.
- Swami Vivekananda Ek Krishmayi Vyaktitva
- Invited as Keynote Speaker in inaugural session of the National Seminar/workshop on the Topic “Swami Vivekananda's Educational Thoughts: Out of the Box thinking “on 17/02/2020 at Indra Gandhi National Tribal University Amarkantak (MP).

Following books are in queue for publication :

- “Swami Vivekananda aur swami Dayanand “.
- “Antar Rashtriya Khyati Ke Sant swami Vivekananda”.
- “Madhya Yugeen Sant Parampara aur Uska Swami Vivekananda ke chintan par prabhav”.
- “Jammu Kashmir ek Unsuljhi paheli ka sukhad aant “English version.



MAHARISHI DAYANAND SARASWATI CHAIR

September, 2019 to December, 2019

I joined as Chair Professor of Maharishi Dayanand Saraswati Chair in Central University of Jammu on August 22, 2019. The thrust area of the Chair is Dayanand Saraswati as Social Reformer and Social Awakener. Initially, I have to collect material for the research. The material included both the original writing of Maharishi Dayanand and the research conducted on him. The following are the activities and achievements of the Chair during the period September, 2019 to December, 2019.

1. Produced a mimeograph on the topic Maharishi Dayanand Saraswati: A Crusader Against Caste Based Discrimination on the death anniversary of Swami Dayanand on 16th November, 2019.
2. Delivered lecture to the participants of Refresher Course in Social Sciences on the topic Indian Nationalism and Social Reforms in India on 12th September, 2019 in Department of Economics, University of Jammu, Jammu.
3. Chair organised function on the eve of Gandhi Jayanti on the theme Dayanand, Gandhi and Environment on 1st October, 2019 in Central University of Jammu. Professor Ashok Aima, Vice Chancellor presided the function. Professor Yogender Yadav, a renowned Gandhian was the key speaker. Professor Raj Mahajan spoke on the topic and welcomed the guest.
4. Started work on the work on an edited book titled SOCIAL PHILOSOPHY OF SWAMI DAYANAND SARASWATI to highlight the social contribution of Maharishi Dayanand Saraswati in the month of October, 2019.
5. Presented a research paper on the title Jammu & Kashmir, Silk Route and Buddhism in a seminar held on 22nd October, 2019, organised by Department of Comparative Religion and Civilisation, Central University of Jammu.

January, 2020 to March, 2020

The period under which the progress report is submitted was full of challenges and opportunities. There was normal period until mid of March, 2020. The decision for lockdown was taken by the Government of India in third week of March, 2020. The lockdown was an opportunity to do research, teach and guide students online and to interact with the people, students and scholars through digital mode. All these people were interacted through webinar and other mode of meetings.

The following are the activities achievements of the Chair during the period, January, 2020 to March, 2020.

6. Completed the book titled SOCIAL PHILOSOPHY OF SWAMI DAYANAND SARASWATI by March, 2020 and sent for publication to the publisher.



7. Chaired one session in the seminar held on Swami Vivekanand: His Philosophy and as a Youth Icon held on 19th January, 2020 organised by Swami Vivekanand Chair, Central University of Jammu.
8. The following were the activities which were done through Webinar during lockdown.
 - a) Delivered lectures through webinar mode.
 - b) Attended lectures on webinar on various issues of various universities.
 - c) Chaired sessions of Webinar of different Universities.
9. Published book SOCIAL PHILOSOPHY OF SWAMI DAYANAND SARASWATI by Indu Book Services Pvt. Ltd. (Publishers & Distributors), New Delhi in 2020 and presented to Prof. Ashok Aima, Vice Chancellor, Central University of Jammu. on 1st June 2010.
 - a) It is an honour that The UGC Chairman Professor D. P. Singh has written message for the book.
 - b) ISBN of the book is 978-93-86754-62-2, Published in 2020.
 - c) The unique feature the book is that there is hardly any book on this title. It has taken into consideration the social philosophy of Swamiji, his educational philosophy, his thoughts about women empowerment, his crusade against caste discrimination, social awakener and many more.
10. One research paper is written on the topic SWAMI DAYANAND SARSWATI: HIS VISION ABOUT CASTELESS SOCIETY which will be sent to publication to a research Journal.
11. One research book is planned on the title SOCIAL REFORMS AND AWAKENING OF INDIA IN NINETEENTH CENTURY: ROLE OF MAHARISHI DAYANAND SARSWATI is planned which will be completed in about 10 months.
12. I have written an invited research paper on the topic AN ANALYSIS OF MULTIDIMENSIONAL APPROACH TO POVERTY IN PUNJAB which will be published in an edited book on Multidimensional poverty in India by Prof. P. K. Mishra, Deptt. Of Economics, Central University of Punjab, Bathinda.
13. Prepared and sent a research project which was invited by ICSSR under a special scheme of Covid-19 for short listing on the topic ECONOMIC AND LIVELIHOOD IMPLICATIONS OF COVID-19 ON MARGINALISED SECTIONS OF PEOPLE IN RURAL AND URBAN AREAS OF JAMMU DISTRICT for the grant of six lakh rupees.



Cultural & Other Activities

1. Udaan-2019 (10-11 April 2019)

UDAAN, a two day cultural festival, organised by Dean Students' Welfare, Central University of Jammu, organized on 10th and 11th April 2020. More than three hundred participants took part in it. The annual event witnessed the participation of students from various states of the country studying in the University. The event was the celebration of different cultures which came alive with vivid performances put up by the students. The cultural fest commenced with the opening ceremony in which Hon'ble Vice chancellor, Prof. Ashok Aima, declared it open. Out of seven events, three were held on the first day of the fest. The event began with photography followed by on-spot painting and collage making. In photography, students were given an hour's time to click a photograph on the theme "Shapes and shadows" or "Geometrical shapes." The second day of the fest began with Rangoli Competition in which twelve teams showed their artistic calibre. The theme of Rangoli was "Swacch Bharat". It was followed by the Fashion show in which 55 participants walked down the ramp in their ethnic wear. Simultaneously, group song was conducted in which 14 participants sang different cultural tunes representing different parts of the country. The first prize of the event was bagged by Department of MBA (TTM), the second and third prize were bagged by Department of MBA (HRM) and Department of Physics respectively. The final event of the fest was group folk dance in which 8 teams presented different folk dances. The team from Department of Public Policy and Public Administration won the first prize, the team from Department of Hindi was adjudged second and two teams of Department of MBA (HRM) was given the third prize. Prizes were awarded in the valedictory ceremony which was graced by the presence of Vice Chancellor and Dr. Arvinder Singh Aman, Secretary, Academy of Art, Culture and Languages. The vote of thanks was presented by ADSD Ajay Kumar Singh, Department of Comparative Religion.

2. Alumni Meet-2019 (26th April 2019)

Central University of Jammu on 26th April 2019 organised its 2nd Alumni meet at Brigadier Rajinder Singh Auditorium of University of Jammu. Prof. Manoj Dhar, Hon'ble Vice Chancellor, JU was chief guest on the occasion, Prof. Ashok Aima, Hon'ble Vice Chancellor, CUJ, Prof. Indu Aima, Registrar CUJ, Dr. Ravi Kumar, Prof. Deveanand, other senior professors, faculty members and around 300 alumni were on the occasion. In his address the Chief Guest appreciated the alumni and wished for the better future. In his presidential address by Prof. Ashok Aima, Hon'ble Vice Chancellor, CUJ. Addressing the gathering, Prof. Aima highlighted various developments works taken up in CUJ Rahya Campus. He stated that university has progressed in many ways. Now university has 52 academic departments. In last four years university has got 147 crore other than UGC grants. CUJ has also got the prestigious projects in the past few years which include Space centre and a DRDO project among others. Election for Central University of Jammu Alumni Association (CUJAA) convened by Dr. Vandana Sharma and her team. Earlier, Prof. Deepak Pathania, Dean Student Welfare, CUJ presented formal welcome address. A cultural programme was also organized during the alumni meet. Vote of Thanks by Dr. Ajay Kumar Singh, ADSW, CUJ.



3. Fit India Movement -2019

Fit India Movement was observed with enthusiasm and fanfare in the Central University of Jammu on 29th August, 2019, under the aegis of Directorate of Physical Education and Office of Dean Students Welfare. On this day of historic significance, the live telecast of FIT INDIA MOVEMENT, wherein the Hon'ble Prime Minister, Sh. Narendra Modi launched the movement, was followed by Fitness Pledge by the Vice Chancellor, Prof. Ashok Aima and all faculty, staff and students of the university. On this occasion, a Walkathon was flagged off by the Vice Chancellor, Dr. Vandana Sharma, Director In charge welcomed the gathering and gave an overview of CUJ Fitness Plan in the curtain raiser. She highlighted the importance of holistic fitness under which various activities like to be observed in the campus which Transect Walk, Plogging, Friendly Match Series both for Faculty and staff, Yoga sessions, counselling sessions and walkathons and marathons will be held on regular basis. The Vice Chancellor in his address illuminated the significance of fitness, which plays a key role in making an organisation robust and vibrant. He urged the faculty, staff and students to shun negativity and lethargy and embrace positive healthy life style to make their life meaningful. Dr. Aman, Asst. DSW and Dr. Ajay Singh, Asst DSW also coordinated the event.

4. Induction Programme -2019

A two day induction programme for fresher under graduate and post graduate students organised by the Department of Students' Welfare (DSW), Central University of Jammu for newly admitted students of the University today at Rajinder Singh Auditorium. On the first day of students' Induction Programme-2019, for Undergraduate Students, Vice Chancellor, Central University of Jammu, Prof. Ashok Aima was Chief Guest. The programme started with Lightning of Lamp and Saraswati Vandana and a folk dance by the students of the University. In his speech, Prof. Aima while congratulating the students selected in the prestigious University, advised them to work hard in order to achieve success in life as there is no substitute of hard work and determination. The Vice Chancellor further said that there is no value for academic excellence without behavioural excellence and both are crucial to achieve excellence. Earlier, Dean Students Welfare, Prof. Deepak Pathania formally welcomed the gathering and also dwelt on the various aspects and salient features, central facilities and support system of the University. Registrar Dr. Ravi Kumar, Deans Prof. Devanand Padha Prof. Jaya Bhasin Prof. B.S. Bhau, I/C Proctor Dr. Bachha Babu addressed the gathering. Prof. Manoj Mishra (Rashtriya Sanskrit Sansthan, Shri Ranbir Campus, Jammu) delivered lecturer on Talk on Stress Management. Prof. Kavita Suri (University of Jammu, Jammu) and Prof. Vishva Raksha (University of Jammu, Jammu) threw light on Talk on Gender Sensitization. Cultural event was presented by KV, CUJ and votes of thanks was presented by ADSW Ajay Kumar Singh.

5. EBSB Cultural Exchange Tour

"Ek Bharat Shreshtha Bharat" was announced by Hon'ble Prime Minister on 31st October, 2015 on the occasion of the 140th birth anniversary of Sardar Vallabhbhai Patel. Through this innovative measure, the knowledge of the culture, traditions and practices of different States & UTs will lead to an enhanced understanding and bonding between the States, thereby strengthening the unity and integrity of India. Under EBSB 2020, the state of Jammu & Kashmir was linked with the state of Tamil Nadu for Inter-State Youth Exchange Programme. The Central University of Jammu in this direction formed an EBSB club on 25th October, 2019 to strengthen the feeling of fraternity among the students and staff from different states of India. Also it has decided to celebrate EBSB day every month in the University. To strengthen it



more, The Vice Chancellor of Central University of Jammu- Prof. Ashok Aima, coordinated well with Vice Chancellor of Central University of Kashmir- Prof Mehraj- Ud- Din Mir & Vice Chancellor of Central University of Tamil Nadu -Prof A P Dash to organise One Week Inter state Cultural Exchange Tour Program. Under this Twenty Five students from Central University of Jammu were selected by the Assistant Dean Student Welfare- Dr. Ajay Kumar Singh in consultation with Dean Students Welfare. The one week (20th January -27th January 2020) Cultural Exchange Tour Programme was Coordinated By Dr. Ajay Kumar Singh, Assistant Dean Students' Welfare, with Co-Coordinator Dr. Anju Thapa, Assistant Professor, Department of SCM, CUJ. Trip for exposure began at 16th of January 2020 where both the faculty and 25 students left their families behind to unite with the families of other state and in the other corner of the map. The team reached to Trichy railway station (junction) on 19th of January where received a very warm welcome from one of the faculty of Central university of Tamil Nadu and a student of the university. The Faculty and students were taken to farm, church, temples, beach, mosque and many more places. Every place was worth watching and worth visiting. The uniqueness was experienced in every temple. The temple were built and maintained so well. The infrastructure was so beautiful that it was so mesmerising to watch the interiors and paintings of the temple. Students Visited through boat to view the beauty of the Mangrove forest which is situated in Pichavarama village near Chidambaram in Cuddalore district, Tamil Nadu. The initiative taken by the Central University's under the program Ek Bharat Shreshtha Bharat was to have a cultural exchange between the different states and different parts of the country by not only exchanging the culture but also language, dresses, food, emotions, experiences. The academic exchange between students was also organized by means of the departmental visits organized to the respective departments.



DIRECTORATE OF PHYSICAL EDUCATION

1. About the Directorate of Physical Education

Directorate of Physical Education was established in the year 2018 with an avowed objective of developing and promoting sports culture among the youth for overall development of the personality. In the university system, sports play an important role in the development of integrated personality of the youth and the Directorate aims to develop spirit of sportsmanship, achievement, national pride and patriotism among youth. With a view to realize and fulfill this mammoth task, the Directorate plans to develop the sports facilities and infrastructure in the campus and conduct Camps, marathons, University Campus sports activities, friendly bilateral matches, Martial arts self defense for girls and Inter University Sports competitions in a phased manner.

2. Vision Statement

To provide a fertile ground to young minds to strengthen the foundation of their life by imparting knowledge, physical skills and the art of living.

3. Mission Statement

To facilitate the development of balanced human beings who have the wisdom to create a life of passion, purpose and peace.

4. Objectives

- To achieve this Mission the Directorate aims to provide.
- To develop competencies necessary for Physical training and coaching.
- To enrich knowledge of personal and community health.
- To promote the capacity to organize games, sports and recreational activities.
- To foster interest in Physical Education and appreciate its role in school and society.
- To develop an understanding and appreciation of indigenous approach to Physical Education, exercise, games and sports.

5. FIT INDIA MOVEMENT WALKATHON

In compliance with the Department of Higher Education, MHRD letter no. 14-44/2019-CU CDN dated 21st August, 2019, the report from Central University of Jammu is as under :

Fit India Movement was observed with enthusiasm and fanfare in the Central University of Jammu on 29TH August, 2019, under the aegis of Directorate of Physical Education and Office of Dean Students Welfare.

On the day of historic significance, the live telecast of FIT INDIA MOVEMENT, wherein the Hon'ble Prime Minister, Sh. Narendra Modi launched the movement, was followed by Fitness Pledge by the Vice Chancellor, Prof. Ashok Aima and all faculty, staff and students of the university.

The Fitness Pledge was followed by a Walkathon, which was flagged off by the Vice Chancellor. Students, faculty and staff members participated in the Walkathon.



The Walkathon was followed by Curtain raiser for the Fitness Plan. Dr. Vandana Sharma, Director In charge welcomed the gathering and gave an overview of CUJ Fitness Plan in the curtain raiser. She highlighted the importance of holistic fitness under which various activities like to be observed in the campus which Transect Walk, Plogging, Friendly Match Series both for Faculty and staff, Yoga sessions, counselling sessions and walkathons and marathons will be held on regular basis. The Vice Chancellor in his address illuminated the significance of fitness, which plays a key role in making an organisation robust and vibrant. He urged the faculty, staff and students to shun negativity and lethargy and embrace positive healthy life style to make their life meaningful. Dr. Aman, Asst. DSW and Dr. Ajay Singh, Asst DSW also coordinated the event.

Rahya 25 Jan, 2020 The First edition of Central University of Jammu Marathon, Run for Unity was flagged off by the Vice Chancellor, Prof. Ashok Aima in the university campus on. Organised by the Directorate of Physical Education, the students, faculty and staff and students from schools in the vicinity of university, KV CUJ; Hr. secondary schools of Rahya participated in the Marathon. Speaking on the occasion, the Vice Chancellor underscored the significance of channelizing the energies of youth in such activities and said that the campus of CUJ is an ideal setting for such marathons. To this Prof. Devanand Padha added that the University is holding such events under Fit India movement on regular basis. The Director In Charge of the Directorate of Physical Education, Dr. Vandana Sharma said shared the vision of the Directorate which is to develop and promote sports culture among the youth for overall development of their personality. She further stated that the Directorate has recently formed a Fitness Club which will organise such fitness activities like Nature walk, cross country, cyclothon on periodic basis. During a run on the garland road of 3.2 Kms stretch in the university campus, the participants were given a finisher medal. Ram Krishan and Wasir Ali from Hr. Seconday School Rahya won the first and second medal respectively whereas Sahil Sharma from MBA TTM stood third. Amongst girls, Badal Minjan, a PhD scholar from Department of Education, stood first; Priya Rani from Mass communication stood second whereas Jasmeet Kaur from NSS stood third. Amongst the faculty, Prof. Rasal Singh, Dean School of Languages took the lead amongst the male faculty and Dr. Shweta Kohli stood first amongst the female faculty.



Hall of Residence

Boys Hostel

1) Facilities Available at Boys Hostel (BHR)

- Mess facility
- Furnitures such as Beds, Study table and Steel Almirah
- Study Room
- Gymnasium
- Common Room/Indoor sports facility
- Generator facility (In case of Power shutdown)
- Medical facility
- 24-hour Ambulance Service
- Magazines, News papers (Local and National)

Total Intake Capacity	Total No. of Students residing	General	OBC	SC	ST	Pwd	EWS	Muslims
140	112	36	46	16	13	Nil	01	38



UNIVERSITY COURT

i.	Chancellor	Chairperson <i>ex-officio Member</i>
ii.	Vice Chancellor	Vice-Chancellor <i>ex-officio Member</i>
iii.	Pro Vice Chancellor	<i>ex-officio Member</i>
iv.	All Deans	<i>ex-officio Member</i>
v.	Two members of the Executive Council to be nominated by the Executive Council	1. Prof. H. Devraj Former Vice Chairman University Grants Commission 2. Prof. M.I. Haque Former Dean and Chairman D/o Business Administration Faculty of Management Studies and Research, AMU, Aligarh
vi.	All Head of Departments (HoDs)	<i>ex-officio Member</i>
vii.	Four members to be nominated by the Visitor (Nominated four members vide MHRD letter F. No. 52-7/2013-CU-III dated 26.07.2018)	1. Dr. Bandana Pandey Former Director, HRDC, Guru Jambheshwar University of Science and Technology, Hisar 2. Dr. Alka Sharma The Business School, University of Jammu, Jammu 3. Prof. Geeta Singh Director, Centre for Professional Development in Higher Education, University of Jammu 4. Prof. (Dr.) G. Mustafa Shah Deptt. of Zoology, University of Kashmir
viii.	Dean Student's Welfare	<i>ex-officio Member</i>



ix.	Registrar	<i>ex-officio</i> Member-Secretary
x.	Librarian	Member-Secretary
xi.	Proctor	Member-Secretary
xii.	Controller of Examinations	Member-Secretary
xiii.	Finance Officer	Member-Secretary
Representatives of Teachers out of Directors/Principals/Professors		
xiv.	Ten Professors who are not Heads/Deans but they hold the status of Professor/Director/Principal. The Professors/Directors/Principals to be nominated by the Vice Chancellor representing each School/Centre/College on the rotation. The representation shall be given to each Department/School/Centre. The rotation shall be carried till all get representation.	1. Vacant
		2. Vacant
		3. Vacant
		4. Vacant
		5. Vacant
		6. Vacant
		7. Vacant
		8. Vacant
		9. Vacant
		10. Vacant
xv.	Two Associate Professors who are not Heads of Teaching Departments. The Associate Professors to be nominated by the Vice Chancellor representing each School/Centre/College on the rotation. The representation shall be given to each Department/School/Centre. The rotation shall be carried till all get representation.	1. Vacant
		2. Vacant
xvi.	Two Assistant Professors by rotation, to be nominated by the Vice Chancellor.	1. Dr. Pankaj Mehta Department of Environmental Sciences
		2. Dr. Shahid Mushtaq Department of Marketing and Supply Chain Management



Representatives of Non-Teaching Staff		
xvii.	Three Members of the Non-Teaching Staff, one from Group "A", one from Group "B" Staff and one from Group "C", to be nominated by the Vice Chancellor on rotation basis.	Group "A" 1. Ms. Shafra Parihar Deputy Registratr
		Group "B" 2. Mr. Vikas Kumar Assistant
		Group "C" 3. Mr. Rohit Jasrotia LDC
Persons representing learned Professions and Special Interests		
xviii.	Six persons representing learned professions and special interests including representatives of Industry, Commerce, Trade Union, Banking, Agriculture, Health & Culture, Financial Institutions, Legal, Bureaucrat, Police/Army, Eminent Academician,s Engineering/ Architecture, Media, TV/Film, Social Work, Corporate etc. to be nominated by the Executive Council.	1. Dr. Baldev Raj Chairman, CII Avantha Centre for Competitiveness for SMEs, Chandigarh.
		2. Dr. Ram Vishwakarma Director, Indian Institute of Integrative Medicine, Jammu.
		3. Prof. Pervez Mustajab Zakir Hussain College of Engineering & Technology, AMU-Aligarh-202002
		4. Sh. Balwant Thakur Consultant-cum-Regional Director, Indian Council for Cultural Relations.
		5. Sh. Ashok Bhan Patron, IIPA J&K Regional Branch, Jammu. Former Director General, Jammu & Kashmir Police
		6. Prof. Anju Bhasin Vice Chancellor, Cluster University of Jammu



Nominees of the Chancellor

xix.	Two persons to be nominated by the Chancellor from Vice Chancellors and Eminent Academicians.	1. Prof. (Dr.) Yogesh Tyagi Vice Chancellor, University of Delhi
		2. Dr. R.K. Kohli Vice Chancellor, Central University of Punjab
xx.	One Alumni and student council representative.	Alumni 1. Ms. Sonam Angmo Assistant Professor, Deptt. of English, Higher Education, J&K Government
		Student 2. Mr. Arief Mohammed MBA-HRM & OB



EXECUTIVE COUNCIL

a)	Vice-Chancellor	Prof. Ashok Aima Vice Chancellor (Chairman, Ex-officio)
b)	Pro Vice-Chancellor	Vacant
c)	Secretary, Department of Higher Education, MHRD, GoI or his/ her nominee not below the rank of Joint Secretary	<i>(Member, Ex-officio)</i>
d)	Chairman, UGC or his/ her nominee;	<i>(Member, Ex-officio)</i>
e)	Secretary of the State Government dealing with matters relating to Higher Education	<i>(Member, Ex-officio)</i>
f)	Four persons of distinction in academics to be nominated by the Visitor; (vide MHRD F. No. 52-1/2019-CU.III dated 18.02.2019)	1. Prof. Udai Pratap Singh Professor and Head Department of Anthropology Lucknow University, Lucknow <i>(Member)</i>
		2. Dr. Vineeta Singh Professor, Department of Statistics Institute of Social Sciences Dr. B.R. Ambedkar University, Agra <i>(Member)</i>
		3. Prof. Ramdev Bharadwaj Vice Chancellor Atal Bihari Vajpayee Hindi University, Bhopal <i>(Member)</i>
		4. Prof. Sushil Kumar Gupta Professor, Division of Agroforestry, Faculty of Agriculture SKUAST-Jammu <i>(Member)</i>
g)	Three eminent academicians not in the service of the University, to be nominated by the MHRD from amongst a panel recommended by the Executive Council;	1. Member <i>(Vacant)</i>
		2. Member <i>(Vacant)</i>
		3. Member <i>(Vacant)</i>



h)	One member of the Court nominated by the Visitor;	Member <i>(Vacant)</i>
i)	Three Deans of Schools of Studies by rotation according to seniority;	1. Prof. N.K.Tripathi Dean, School of Life Sciences <i>(Member)</i>
		2. Prof. Govind Singh Dean, School of Humanities & Social Sciences <i>(Member)</i>
		3. Prof. Jaya Bhasin Dean, School of Business Studies <i>(Member)</i>
j)	One Professor, who is not a Dean, by rotation according to seniority, to be nominated by the Vice-Chancellor; and	Prof. Brijmohan Singh Bhau Head, Department of Botany <i>(Member)</i>
k)	One Associate Professor who is not a Dean, by rotation according to seniority to be nominated by the Vice Chancellor;	Dr. Sunil Dhar Associate Professor, Department of Environmental Sciences <i>(Member)</i>
l)	Registrar Central University of Jammu	Secretary <i>ex-officio</i>



ACADEMIC COUNCIL

(a)	Vice Chancellor	Prof. Ashok Aima, Vice Chancellor <i>(Chairman, Ex-officio)</i>
(b)	Pro-Vice Chancellor	<i>(Member, Ex-officio)</i>
(c)	Deans of Schools of Studies	<i>(Member, Ex-officio)</i>
(d)	Dean of Students Welfare	<i>(Member, Ex-officio)</i>
(e)	Proctor (Member, Ex-officio)	<i>(Member, Ex-officio)</i>
(f)	Librarian (Member, Ex-officio)	<i>(Member, Ex-officio)</i>
(g)	One member of the Court from amongst the elected members of the Court to be nominated by the Court	
(h)	Ten Heads of teaching departments on the basis of seniority and rotation to be nominated by the Vice Chancellor	1. Prof. Brij Mohan Singh Bhau Head, Deptt. of Botony
		2. Dr. Yashwant Singh Head, Deptt. of Computer Sciences and IT
		3. Dr. Ajay Kumar Sharma Head, Deptt. of Mathematics
		4. Dr. Dharmendra Singh Head, Deptt. of Educational Studies
		5. Dr. V. Sridharan Head, Deptt. of Chemistry & Chemical Sciences
		6. Dr. Gaurav Sehgal Head, Deptt. of Marketing & Supply Chain
		7. Dr. Vinay Kumar Head, Deptt. of Physics & Astronomical Sciences
		8. Dr. Anil Kumar Thakur Head, Deptt. of Nano Science & Materials
		9. Vacant
		10. Vacant



(i)	Five Directors of Centres, if any, on the basis of seniority and rotation, to be nominated by the Vice Chancellor;	1. Centre for Comparative Religion & Civilizations
		2. Centre for Molecular Biology
		3. Vacant
		4. Vacant
		5. Vacant
(j)	Two Professors, who are not Deans of Schools of Studies or Heads of the Departments/Centres and are not members of the Executive Council, from each School, on the basis of seniority and rotation, to be nominated by the Vice Chancellor;	1. Vacant
		2. Vacant
(k)	Two Associate Professor, who are not covered in (c), (d) and (e) above, or not Heads of the Departments or not Directors of Centres or who are not members of the Executive Council, by rotation according to seniority, to be appointed by the Vice Chancellor;	1. Dr. Sunil Dhar Associate Professor Deptt. of Environmental Sciences
		2. Vacant
(l)	Two Assistant Professor, who are not members of the Executive Council, by rotation according to seniority, to be appointed by the Vice Chancellor.	1. Dr. Pavinder Singh Deptt. of Mathematics
		2. Dr. Neelika Arora Deptt. of HRM & OB
(m)	Ten persons, not in the service of the University, co-opted by the Academic Council for their special knowledge in educational progress, development and industry linkage.	1. Prof. Mohammad Miyan Former Member, UGC Former Vice Chancellor, Maulana Azad National Open University
		2. Prof. Manoj Dhar Vice Chancellor, University of Jammu



		<p>3. Prof. Sushma Yadav Vice Chancellor, Bhagat Phool Singh Mahila Vishwavidyalaya Khanpur Kalan, Haryana</p>
		<p>4. Prof. Manoj Gaur Director, IIT, Jammu</p>
		<p>5. Prof. R.N.K. Bamzai Former Vice Chancellor, Sri Mata Vaishno Devi University & School of Life Sciences Jawaharlal Nehru University, New Delhi</p>
		<p>6. Prof. Pulian B. Nayak Former Chairman, Department of Economics, Delhi School of Economics, University of Delhi</p>
		<p>7. Prof. Ashok Ogra Director, Apeejay School of Mass Communication, New Delhi</p>
		<p>8. Prof. S.K. Sharma Former Dean, Faculty of Law Former Head, Department of Law University of Jammu</p>
		<p>9. Prof. Ramesh Chander Head, Department of Mathematics University of Jammu</p>
		<p>10. Sh. Dhananjay Singh Director General - National HRD Network</p>
(n)	Registrar, Central University of Jammu	<i>Secretary, Ex-officio</i>



FINANCE COMMITTEE

(a)	Vice Chancellor	Prof. Ashok Aima , Vice Chancellor (Chairman, Ex-officio)
(b)	Pro-Vice-Chancellor	-----
(c)	One Person nominated by Court	i) Dr. Ashok Bhan Patron, IIPA J&K Regional Branch, Jammu Former Director General Jammu & Kashmir Police (Court Member)
(d)	Three Persons nominated by Executive Council, out of whom at least one shall be a member of the Executive Council.	i) Prof. Amitabh Mattoo Centre for International Politics, Organization and Disarmament, Jawaharlal Nehru University, New Mehrauli Road, New Delhi 110067 (Executive Council Member)
ii)		Prof. A.M. Pathan Former Vice-Chancellor Central University of Karnataka 75/4, Ranoji Rao Road Basvangudi, Bangalore-560004
iii)		Prof. Jai Prakash Sharma Department of Commerce (Faculty of Commerce & Business) Delhi School of Economics University of Delhi, Delhi-110007
(e)	Three persons to be nominated by the Visitor	i) Joint Secretary and Financial Advisor, MHRD, or his/her nominee from Finance Bureau (dealing with CUs), MHRD not below the level of Under Secretary.
ii)		Joint Secretary (CU), MHRD or his/her nominee not below the level of Under Secretary from Administrative Bureau.
iii)		Joint Secretary (CU), UGC, or any other officer not below the level of Under Secretary nominated by the Chairman, UGC.
(f)	Finance Officer	Secretary (Ex-officio)



Importance Committees and Cells

A. Grievance Redressal Committee for Non-Teaching employees and for Students :

The University has separate Grievance Redressal Committee for Non-Teaching employees and for students. The Committee is empowered to accept and consider written complaints and petitions in respect of matters directly affecting them individually or as a group; inquire into the grievances and make recommendations and report to concerned authorities; or otherwise.

B. SC/ST/OBC/PwD Cell :

The University is implementing the reservation policy as per Govt. of India and UGC Guidelines, 2006 (for Strict Implementation of Reservation policy of Government of India in Universities) for SC/ST/OBC/PwD in appointments. In line with guidelines, the University has nominated Liaison Officer for SC/ST, OBC and PwD. The University has set up SC/ST/PwD Cell and OBC Cell to look after the issues of the candidates of the community / category related to Admission, Employment and other Grievances.

The following activities /meetings have been conducted under SC/ST cell at Central University of Jammu.

1. Category certificate verifications of students have been done at the time of admissions of all the departments of the university.
2. Queries during admissions regarding SC/ST seats available were resolved on spot.
3. Time to time Admission committees/Recruitment committees has been formulated and revised to ensure the presence of SC/ST representative in every committee.
4. Time to time meetings have been conducted on University Roster.
5. Meeting has also been conducted for incorporation of Economically Weaker Section (EWS) in the University Roster.

- **Advisory Committee :**

In pursuance of the UGC Guidelines, 2006 for Strict Implementation of Reservation Policy of Government of India in Universities, Central University of Jammu has established an Advisory Committee with Vice-Chancellor as its Chairperson. The Committee reviews the implementation of reservation policy in admission and capacity building programme for SC/ST for their successful passing in the examinations.

- **Sensitization, Prevention and Redressal of Sexual Harassment (SPARSH) :**

The University is committed to create a conducive workplace environment, for its employees, faculties, students and research scholars which is free from any form of sexual harassment.

SPARSH (Sensitization, Prevention and Redressal of Sexual Harassment) is functioning at Central University of Jammu with Apex Body of SPARSH (ABS) and UCC (University



Complaints Committee). It is actively engaged in organizing various activities including Sensitization Programme and Counselling. Women Empowerment has been taken into consideration at each step. SAKSHAM an event for physical development and Yoga for faculties, research scholars and student is one such step. Yoga and physical development is also taken care of at the University. UBIC (University Business Incubation Centre) established at CUJ organized special events for Women Empowerment. Also, as an outreach activity entrepreneurial workshop for female artisans from Jammu Region was organized in the University.



University Administration

Human Resource Wing of the Central University of Jammu is looking after the establishment matters of Non-teaching employees and faculty like their recruitment, maintaining of their service record, trainings and development, and general administration of the University. The wing endeavors to create transparency at the working level. For smooth functioning of University administration, cells/committees are created brief of some of them is given below :

- **Grievance Redressal Committee for Non-Teaching employees and for Students:**
The University has separate Grievance Redressal Committee for Non-Teaching employees and for students. The Committee is empowered to accept and consider written complaints and petitions in respect of matters directly affecting them individually or as a group; inquire into the grievances and make recommendations and report to concerned authorities; or otherwise.
- **SC/ST/OBC/PwD Cell :**
The University is implementing the reservation policy as per Govt. of India and UGC Guidelines, 2006 (for Strict Implementation of Reservation policy of Government of India in Universities) for SC/ST/OBC/PwD in appointments. In line with guidelines, the University has nominated Liaison Officer for SC/ST, Liaison Officer for OBC and Liaison Officer for PwD. The University has set up SC/ST/PwD Cell and OBC Cell to look after the issues of the candidates of the community / category related to Admission, Employment and other Grievances.
- **Advisory Committee :**
In pursuance of the UGC Guidelines, 2006 for Strict Implementation of Reservation Policy of Government of India in Universities, Central University of Jammu has established an Advisory Committee with Vice-Chancellor as its Chairperson. The Committee reviews the implementation of reservation policy in admission and capacity building programme for SC/ST for their successful passing in the examinations.
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organized special events for Women Empowerment. Also, as an outreach activity entrepreneurial workshop for female artisans from Jammu Region was organized in the University.

- **Hiring of manpower through outsourcing :**

The University has been sanctioned strength of 175 person to be engaged through outsource for security, cleaning, gardening, housekeeping, hostels, guest house etc.

- **Appointment / Engagement :**

- (i) **Non Teaching (Direct Recruitment) :**

The Administration Branch undertook recruitment of Administrative (Non-teaching) posts during the year 2019-2020. The University advertised various non-teaching posts vide employment notification No. 22 dated 09.01.2019 read with corrigendum dated 15.01.2019. Written Tests for these posts were conducted on 19.10.2019. Skill Tests of qualifying nature, wherever applicable, were conducted w.e.f. 24.12.2019 to 13.01.2020. Applied tests of written test and skills test qualified candidates were conducted w.e.f. 24.12.2019 to 13.01.2020. Overall Result was compiled after adding entry score marks on the basis of Qualifications and Experience as per notification. On the recommendation of Selection Committee the result of these posts was declared by the University in the Employment news and on University website vide Notification No. 63 / 2020 dated 05.02.2020.

List of Posts advertised vide Employment Notification No. 22 dated 09.01.2019

Sl. No	Name of the Post	No. of Posts
1.	Controller of Examinations	01 -UR
2.	Internal Audit Officer	01 -UR
3.	Section Officer	01 - UR
4.	Assistant Engineer	01 -UR
5.	Private Secretary	01 -UR & 01 -PwD(OH)
6.	Hindi Translator	01 -UR
7.	Legal Assistant	01 -UR
8.	Upper Division Clerk	01 -UR, 01 -OBC & 01 -PwD (HH)
9.	Laboratory Assistant	01 -UR
10.	Library Assistant	01 -UR
11.	Lower Division Clerk	01 -UR, 01 -OBC & 01 -SC
12.	Library Attendant	01 -PwD (VH)
13.	Kitchen Attendant	02 -UR

All aforesaid non-teaching posts except the statutory posts of Controller of Examinations, Internal Audit



Officer and Library Attendant have been filled up in the month of February 2020. Due to limited response of applications for the post of Controller of Examinations, the said post was re-advertised vide Employment Notification No. 24 dated 18.06.2019.

List of Post(s) advertised vide Employment Notification No. 24 dated 18.06.2019

S. No.	Name of the Post	No. of Posts
1.	Controller of Examinations	01-UR
2.	Library Attendant	01-PwD (VH)

List of Post(s) advertised vide Employment Notification No. 25 dated 04.09.2019

S. No.	Name of the Post	No. of Posts
1.	Finance Officer	01-UR

Executive Council of the University in its 15th meeting held on 10.12.2020 approved the recommendations of the Selection Committees. The results of Employment Notifications' No. 22, 24 & 25 dated 09.01.2019, 18.06.2019 & 04.09.2019 respectively was declared by the University on its website vide Notification No. Notification No. 63 / 2020 dated 05.02.2020 and Notification dated 11.12.2019. Posts of Controller of Examinations, Finance Officer & Internal Audit Officer are vacant as on 31.03.2020.

To further give accelerate recruitment process, the University advertised vacant non-teaching posts vide Employment Notification No. 26 dated 03.01.2020.

List of Post(s) advertised vide Employment Notification No. 26 dated 03.01.2020

S. No.	Name of the Post	No. of Posts
1.	Personal Assistant	1-UR & 1-OBC
2.	Lower Division Clerk	2-UR, 1-PwD 1-EWS & 1-ST
3.	Driver	02-UR

Due to pandemic COVID-19 and consequent lock down, the University could not proceed further with the recruitment. However the process of recruitment is likely to be completed in this calendar year.

(i) Non- Teaching (Departmental Promotion) :

The Central University of Jammu vide DPC Notification No. CUJ/Admin/DPC/2019/361 dated 12.07.2019 invited applications from all internal eligible employees to fill up the vacancies with Departmental Promotion procedures for Group "A", Group "B" & Group "C" posts as detailed



below :

Sl. No.	Name of Post	Promotion Category
1.	Assistant Registrar	01 (UR)
2.	Section Officer	02 (UR)
3.	Private Secretary	02 (UR)
4.	Upper Division Clerk	04 (UR)
5.	Lower Division Clerk	02 (UR)

The University promoted 8 internal eligible candidates who qualified departmental promotion test (qualifying in nature only) vide office order 591 / 2019. Four posts of UDC, 2 posts of Private Secretary and 2 posts of Section Officer under departmental promotion category mentioned against each above have been filled up. Promotion to the posts of Assistant Registrar and Lower Division Clerk are under process.



ADMISSIONS 2019 -20										
Discipline	Admitted during 2019-20									
		Male	Female	GEN	SC	ST	OBC	EWS	PwD	
UG										
			Male	Female						
B.Voc. (Banking)	29	19	10	23	4	0	2	0	0	
B.Voc. (RM)	15	7	8	12	2	0	1	0	0	
B.Voc.(TM)	23	20	3	15	2	0	5	1	0	
Sub Total	67	46	21	50	8	0	8	1	0	
PG										
Environmental Sciences	47	10	37	18	9	5	11	4	0	
Economics	35	13	22	22	7	4	2	0	0	
English	34	3	31	15	5	7	7	0	0	
Mathematics	24	9	15	9	4	3	6	2	0	
Educational Studies	44	3	41	25	10	3	6	0	0	
Computer Science and Information Technology	30	14	16	26	3	0	1	0	0	
Human Resource Management & Organisational Behaviour	41	14	27	32	3	0	6	0	0	



Tourism and Travel Management	41	19	22	25	6	3	7	0	0
MBA General	26	15	11	21	3	0	2	0	0
Marketing and Supply Chain Management	28	22	6	18	3	3	4	0	0
Public Policy and Public Administration	35	18	17	24	4	6	0	1	0
Social Work	34	4	30	30	1	2	0	1	0
Mass Communication & New Media	16	9	7	13	1	0	2	0	0
Hindi	10	2	8	7	2	1	0	0	0
Nano Sciences & Materials	18	15	3	14	3	0	1	0	0
National Security Studies	13	4	9	9	0	2	2	0	0
Sub Total	476	174	302	308	64	39	57	8	0
Integrated									
Physics	39	15	24	16	8	2	11	2	0
Chemistry	40	15	25	30	2	7	1	0	0
Botany	34	5	29	24	6	0	2	2	0
Zoology	37	5	32	22	6	2	6	1	0
B.A B.Ed.	32	13	19	15	3	0	13	1	0
Sub Total	182	53	129	107	25	11	33	6	0



Ph.D.									
Environmental Sciences	4	0	4	1	2	0	1	0	0
Economics	0	0	0	0	0	0	0	0	0
English	4	1	3	2	1	0	1	0	0
Mathematics	4	0	4	3	0	1	0	0	0
Educational Studies	8	1	7	3	2	1	2	0	0
Computer Science and Information Technology	5	4	1	4	0	1	0	0	0
Human Resource Management & Organisational Behaviour	3	0	3	3	0	0	0	0	0
Tourism and Travel Management	0	0	0	0	0	0	0	0	0
MBA General	0	0	0	0	0	0	0	0	0
Marketing and Supply Chain Management	0	0	0	0	0	0	0	0	0
Public Policy and Public Administration	0	0	0	0	0	0	0	0	0
Social Work	2	1	1	1	1	0	0	0	0
Mass Communication & New Media	1	0	1	1	0	0	0	0	0
Hindi	5	4	1	2	1	0	1	1	0
Nano Sciences & Materials	5	2	3	4	0	0	1	0	0



National Security Studies	3	3	0	2	0	1	0	0	0
Physics	5	1	4	4	0	0	1	0	0
Chemistry	6	2	4	3	1	1	1	0	0
Botany	5	1	4	3	0	1	1	0	0
Zoology	3	1	2	2	0	1	0	0	0
Centre for Comparative Religions & Civilization	2	1	1	1	1	0	0	0	0
Centre for Mol Bio	4	2	2	3	0	0	1	0	0
Sub Total	69	24	45	42	9	7	10	1	0
Diploma/Certificate Courses									
Beauty & Wellness	25								
Yoga	30								
CCRC Certificate Course	18								
Sub Total	73								
Grand Total	867	-	-	580	106	57	108	16	0



Health Centre

The University Health Centre, Central University of Jammu was established in the year 2012 within the Temporary Academic Block at Sainik colony Jammu. In August 2016 alternate health centre started functioning at Bagla main campus.

Health Centre TAB was finally shifted to main campus Bagla in June 2018 and is got established in quarter No: 6 (Ground Floor)

Functioning of Health Centre :

University Health Centre functions from 9:30am to 5:30 on all working days.

Medical officers and paramedical staff are on call 24x7 on all days for hostels to deal with any emergency.

Staff Availability

01	Medical Officers	2
02	Staff Nurse	1
03	Pharmacist	1
04	Medical Attendant Cum Dresser	1
05	Office Attendant (out sourced Basis)	1

Above staff is presently providing medical cover to students, staff and employees of university.

Health Centre has two ambulances, one is stationed **24x7** at hostel and other is attached at health centre at main campus.

Medicines and other health facilities are provided free of cost to students and employees.

FACILITIES

1	ECG
2	Ambulance (24x7) 2NOs
3	Patient Cardiac Monitor
4	Oxygen (cylinders and oxygen concentrator)
5	First Aid in in juries including dressing, sutures, Iv infusion etc.

**ACTIVITIES**

- Biannual check up of students of KV, CUJ was conducted.
- Monthly sanitation rounds of canteen and campus conducted.
- Medical cum dental camp was organised by Health centre at Jhang panchayat, Vijaypur on 26 July, 2019
- Blood donation camp was conducted at Health Centre on 28 August 2019 in collaboration with department of NSS, CUJ.
- **Medanta Medicity Gurgaon hospital** was empanelled during the said period.
- **OPD** : Total number of patients attended health centre was : **4019**

Details of expenditure for the year (2019-2020)**A. CAPITAL EXPENDITURE :**

Capital expenditure for the said year was : **Rs. 8217.00**

B. RECURRING EXPENDITURE :

Consumables, Medicine, Surgical Items etc : **Rs. 195547.00**

Total expenditure (A+B) :

Rs. 203764.00

(Two Lac Three Thousand Seven Hundred Sixty Four)



Engineering & Estates

A. Building Committee

There are total of 04 meetings of University Building Committee of the Central University of Jammu commenced in the year 2019-20. The details of the meetings are as given below:-

- 1) 16th meeting of the Building Committee was held on 26/04/2019 in the Conference Hall of Jammu Club at Jammu.
- 2) 17th meeting of the Building Committee was held on 30/10/2019 at Press Cub of Jammu at Jammu.
- 3) 18th meeting of the Building Committee was held on 11/01/2020 in the Conference Hall of Central University of Jammu.
- 4) 19th meeting of the Building Committee was held on 06/03/2020 in the Conference Hall of Jammu Cub at Jammu.

Following were the main decisions taken during the above said meetings:-

- 1) The PMC (M/s EPIL) have terminated the contract of M/s Anil Kumar & Co. (AKC), contractor for the execution of external electrification works and the part balance works pertaining to ESS-1 & ESS-2 & 03 No. CSS have given to M/s Civicon Hi-Tech Pvt Ltd. For Rs. 5.36 Cr. by the PMC at the risk and cost of M/s AKC.
- 2) Approval for Construction of 100 bedded Hospital of Yoga & Naturopathy for Central University of Jammu by the Ministry of AYUSH, Govt. of India.
- 3) 5 Acres of land for proposed Kendriya Vidyalaya Sangathan infrastructure and 10 Acres of land for proposed 100 bedded hospital of Yoga and Naturopathy in the Master Layout Plan of the university .
- 4) The 100 bedded Boys Hostel is nearly complete and shall be handed over to CUJ by 30/12/2020 and asked for providing water & electricity connections. The Executive Engineer, CUJ informed that the process in this regard has been initiated.
- 5) Regarding basic amenities to be provided by the State Government, the Executive Engineer, CUJ informed that at present, there is no further progress in the work already executed so far due to lack of funds with the respective executing departments.

CUJ is pursuing the matter with the state government and the MHRD.

- 6) The CUJ and J&K Bank are coming together to establish branch of J&K Bank in the university campus at Bagla on 2 Kanal of land in Main Campus, which is the leading bank of the State and also that the bank shall be meeting the entire expenses towards construction cost. This shall facilitate extension of all kinds of modern banking services to the students and to the university populace.
- 7) CUJ to raise loan from HEFA if agreed on a moratorium of 05 years for repayment, for creating additional infrastructure for the University.
- 8) Construction of "Satish Dhawan Centre for Space Science" in University Campus at Bagla having approx. cost of Rs. 5.00 Cr, and having 1350 Sq Meter (Built up area), 50% work has



been completed.

- 9) The construction of a Store for a cost of Rs. 7.20 Lacs (approx.) subject to the condition that it's location does not interfere with the University's Master Layout Plan.
- 10) Creation of temporary/dismantable laboratories for Deptt. of Physics and Deptt. of Chemistry and Deptt. of Mathematics and Deptt. of HRM by covering the balconies of the respective Quarters for an approx. cost of Rs. 30.00 Lacs (approx), without disturbing the basic structure.

B. Infrastructure Development at the Campus site Village Bagla, Samba

(Rs. in Cr.)

S. No.	Name of the Work	Name of Agency	Estimated/Allotted Cost	Progress Till Date	
				Financial	Physical
1.	Construction of Residential blds. for faculty, Directorate of Distance Education Bldg. and Gate complex for the permanent campus of Central University of Jammu Bagla	M/s Nagarjuana Const. Co. Ltd	116.29 (28.00 deferred as low priority works). Net value of contract = 88.29 Cr.)	79.54	100.00
2.	Construction of Road work, Bridges & Culverts and other associated works for the permanent campus of Central University of Jammu Bagla	M/s SEW Infrast. Ltd.	264.98 (64.98 deferred as low priority works. Net value of contract = 200 Cr.)	195.76	100.00
3.	Part work of construction of Guest House for the permanent campus of Central University of Jammu Bagla	M/s. Percept Builders	4.91	4.23	100.00



4.	Supply, Installation, Testing, Commissioning of 11/0.433 KV Indoor/outdoor Electric substation & other associated external electrical works for the permanent campus of Central University of Jammu Bagla	M/s Anil Kumar & Co.	43.99 <i>(10.20 deferred as low priority works. Net value of contract= 33.79 Cr.)</i>	15.33	27.12
5.	Balance work of supply, Installation, testing & Commissioning of two no. 11/0.433 KV indoor Electric Substation (ESS-1&2), 03 No. outdoor type 11/0.433 KV Compact Substation (CSS-1, 2 & 3) and other associated external electrical works for the permanent campus of CUJ	M/s. Civicon Hi-Tech Pvt. Ltd., Jammu	<i>Contract of M/s Anil Kumar & Co. (AKC) terminated on 08.01.18. Tenders of Balance work being invited at the risk & Cost of M/s AKC</i>	4.72	95.00
6.	Other Developmental Works including deep drilled tube well Water Supply & Professional Fees	-----	41.53	23.26	55.57
7.	2 Nos.100 Bedded Hostels for OBC Boys (completed) and Girls Hostel (under construction) each (Partially funded by Ministry of Social Justice and Empowerment) Est. Cost 17.70	CPWD		15.55	65.00
8.	Other infrastructure including Lab, Equipments etc.			15.50	
	Total			353.89	



The Central University of Jammu took possession of the entire stretch of land measuring 4880 Kanal 19 Marlas which was handed over by the State Govt. to the University. The University has undertaken the following works for development of the permanent Campus in the Phase-I at Rahya - Suchani (Bagla) in Samba These developmental works amount to an expenditure to the tune of Rs.353.89 Crores (which includes PMC and Architects fees) and are in different stages of execution.

Glimpse of Engineering Achievements :

- 1) 22 Professor Quarters completed, and 22 Quarters are being utilized for running various courses/classes of various disciplines due to space constraint.
- 2) Guest House Building comprising of 24 Rooms completed and utilized for administration work.
- 3) 8.30 Kms Road Length comprising of four Major Bridges and Water Bodies having 45,00,000 Gallons of water storage capacity is completed.
- 4) One 300 KLD and one 120 KLD capacity STP completed.
- 5) Central Water Receiving Station (CWRS) of Capacity 12,60,000 Ltrs completed.
- 6) Elevated Water Station-I (EWS-I) of capacity 11,88,000 ltrs completed.
- 7) Elevated Water Station-II (EWS-II) of capacity 2,40,000 ltrs completed.
- 8) ESS-1 & ESS-2, and Compact Substation (CSS-1,2&3) completed by June-2020.
- 9) Construction of School of Education given to CPWD for Rs. 5.41 Cr. The construction work has been started since 20-12-2019, having built up area 1150 Sqm.
- 10) Construction of Boundary wall along with the periphery of CUJ, Bagla having length of 13.50 KM (approx.) for Rs 25.00 Crores given to CPWD. The drawings & BOQ provided to CPWD, and work has allotted to M/s Charanji Lal Gupta & Sons and the work has been started since 7-12-2019.
- 11) The Indian Space Research Organization (ISRO) will set up a centre named as SATISH DHAWAN CENTRE FOR SPACE SCIENCE at the Central University of Jammu. The cost of the construction of SATISH DHAWAN CENTRE FOR SPACE SCIENCE OF ISRO at Central university of Jammu, Rahya-Suchani (Bagla) Distt. Samba shall be fully borne by ISRO.

**BALANCE SHEET AS ON 31.03.2020**

Amount (in Rupees)

Sources of Funds	Schedule	Current Year	Previous Year
Corpus/Capital Funds	1	3538252575.00	3328290313.29
Designated/Earmarked/Endowment Funds	2	13990426.00	8275719.00
Current Liabilities & Provisions	3	1292100757.97	1253288690.83
Total		4844343758.97	4589854723.12

Application of Funds	Schedule	Current Year	Previous Year
Fixed Assets	4		
Tangible Assets		3220262725.00	114367719.00
Intangible Assets		1632739.00	952212.00
Capital Works-in-Progress		202219791.00	3173875854.00
Investments From Earmarked/Endowment Funds	5	0.00	0.00
Long Term		0.00	0.00
Short Term		0.00	0.00
Investments – Others	6	0.00	0.00
Current Assets	7	1076585968.12	951495473.27
Loans, Advances & Deposits	8	343642535.85	349163464.85
Total		4844343758.97	4589854723.12

Significant Accounting Policies 23

Contingent Liabilities and Notes to Accounts 24

I/c Finance Officer
Central University of Jammu

Vice Chancellor
Central University of Jammu

**INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31.03.2020**

Amount (in Rupees)

Particulars	Schedule	Current Year	Previous Year
INCOME			
Academic Receipts	9	37070261.00	20038730.00
Grants/Subsidies	10	375752000.00	147447000.00
Income from Investments	11	89536885.10	40380428.17
Interest earned	12	0.00	0.00
Other Income	13	9080987.71	5501856.30
Prior Period income	14	0.00	0.00
TOTAL		511440133.81	213368014.47
EXPENDITURE			
Staff Payments & Benefits Establishment Expenses	15	216234978.00	184659662.00
Academic Expenses	16	23278007.00	24694219.00
Administrative & General Expenses	17	91786482.00	91961944.70
Transportation Expenses	18	2509775.00	3071830.00
Repairs and Maintenance	19	17649511.00	17127224.00
Finance Costs	20	177.00	2334.40
Depreciation	4	77285408.00	12313585.00
Other Expenses	21	0.00	0.00
Prior Period Expenses	22	0.00	0.00
Total (B)		428744338.00	333830799.10
Balance being excess of expenditure over Income (A-B)		82695795.81	120462984.63
Transfer to /from Designated Fund		0.00	0.00
Building Fund		0.00	0.00
Others (Specify)		0.00	0.00
Balance being Surplus/ (Deficit) Carried to Capital Fund		82695795.81	120462784.63

Significant Accounting Policies 23

Contingent Liabilities and Notes to Accounts 24

I/c Finance Officer
Central University of Jammu

Vice Chancellor
Central University of Jammu




RECEIPTS AND PAYMENTS ACCOUNTS FOR THE PERIOD/YEAR ENDED 31.03.2020

Amount (in Rupees)

RECEIPTS		CURRENT YEAR	PREVIOUS YEAR	PAYMENTS		CURRENT YEAR	PREVIOUS YEAR
I.	Opening Balances	0.00	0.00	I.	Expenses		
a)	Cash Balances	0.00	0.00	a)	Establishment Expenses	207848108.00	186269898.00
b)	Bank Balance	0.00	0.00	b)	Academic Expenses	6996660.00	24024309.00
i.	In Current Accounts	0.00	13582.50	c)	Administrative Expenses	126654137.00	110110002.10
ii.	In Deposit Accounts	838618408.00	1033577612.00	d)	Transportation Expenses	4158327.00	2818514.00
iii.	Savings Accounts	112877065.27	47073199.69	e)	Repairs & Maintenance	679744.00	2726935.00
II.	Grants Received	0.00	0.00	f)	Prior Period expenses	0.00	0.00
a)	From Govt. of India	518252000.00	262447000.00	II.	Payments against Earmar- -ked/Endowment Funds	1954294.00	1514759.00
b)	From State Govt.	0.00	0.00		From other Sources	0.00	0.00
c)	From Other Sources	0.00	0.00	III.	Payments against sponsored Projects/Schemes	41514519.00	47399119.00
III.	Academic Receipts	21720876.00	12014452.00	IV.	Payments against sponsored Fellowships/Scholarships	1364223.00	0.00
IV.	Receipts against Earmarked/Endowment Funds	7375277.00	4353150.00	V.	Investments & Deposits made	0.00	0.00
V.	Receipts against sponsored Projects / Schemes	57663133.75	49701215.00	a)	Out of Earmarked/Endowment Funds	0.00	0.00
VI.	Receipts against sponsored Fellowships & Scholarships	2117832.00	467000.00	b)	Out of Funds (Investments-Others)	0.00	0.00
VII.	Income on Investments from	0.00	0.00	VI.	Term Deposit with Scheduled Banks	0.00	0.00
a)	Earmarked/Endowment funds	0.00	3051452.00	VII.	Expenditure on Fixed Assets & Capital Works-in-Progress	0.00	0.00
b)	Other Investments	0.00	0.00	a)	Fixed Assets	19088743.00	12355055.00
VIII.	Interest Received on	0.00	0.00	b)	Capital works-in-progress (including advances)	78449149.00	114700891.00
a)	Bank Deposits	8094502.10	6315039.00	VIII.	Other Payments including statutory payments	0.00	13454000.00
b)	Loans and Advances	0.00	0.00	a)	Repayment of Interest-UGC	4214000.00	
c)	Savings Bank Accounts	365397.00	831045.17	b)	Repayment of Interest-MHRD	4817098.00	
IX.	Investments encashed	0.00	0.00	IX.	Grants Receivable	17430000.00	0.00
X.	Term Deposits with Scheduled Banks encashed	0.00	0.00	X.	Deposits and Advances	17133942.00	2767208.00
XI.	Other Income (including prior period income	20659289.00	20422261.30	XI.	Other Payments (CUCET/B.Voc.)	10000393.00	2228195.00
XII.	Deposits and Advances	13635431.00	17535448.00	XII.	Closing Balances	0.00	
				a)	Cash in Hand	0.00	0.00
				b)	Bank Balances	0.00	0.00
					In Current Accounts	0.00	0.00
					In Savings Accounts	60067560.12	112877065.27
	In Deposit Accounts	1016518408.00	838618408.00				
XIII.	Miscellaneous Receipts including Statutory Receipts	2496214.00	7577003.71			0.00	0.00
XIV.	Any other Receipts	14713880.00	6484898.00			0.00	0.00
	Total	1618589305.12	1471864358.37		Total	1618589305.12	1471864358.37


I/c Finance Officer
 Central University of Jammu


Vice Chancellor
 Central University of Jammu